

FIG. 1
(PRIOR ART)

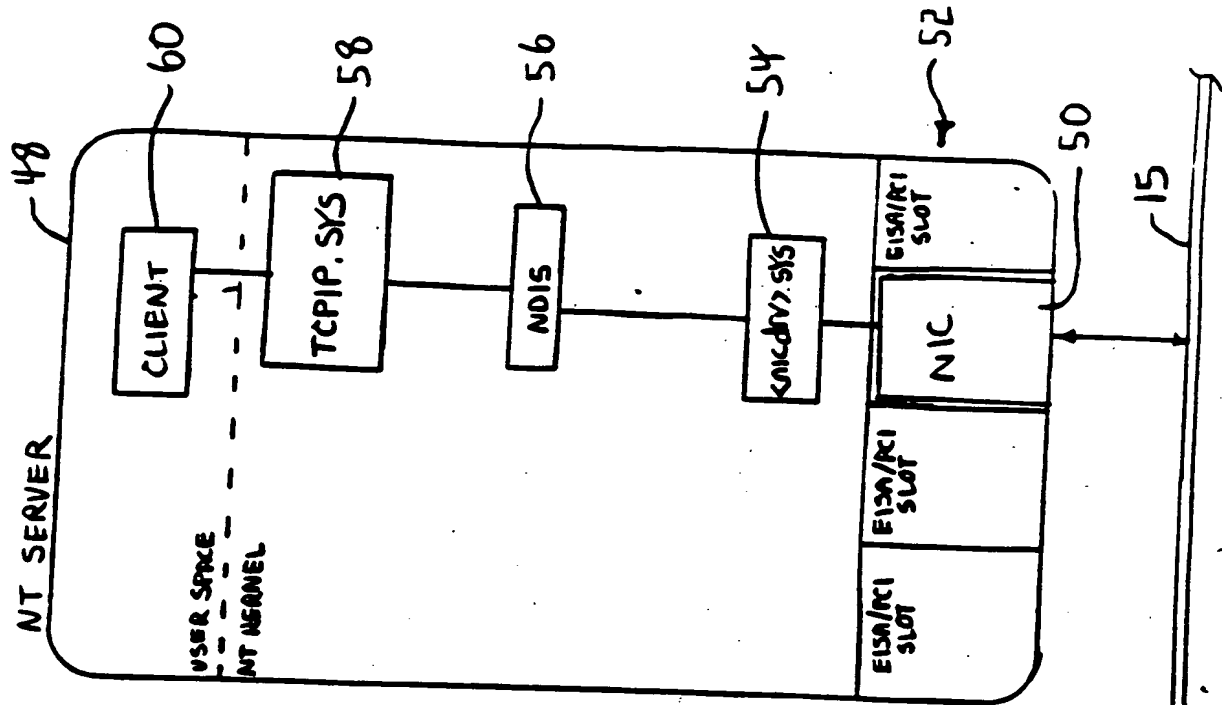
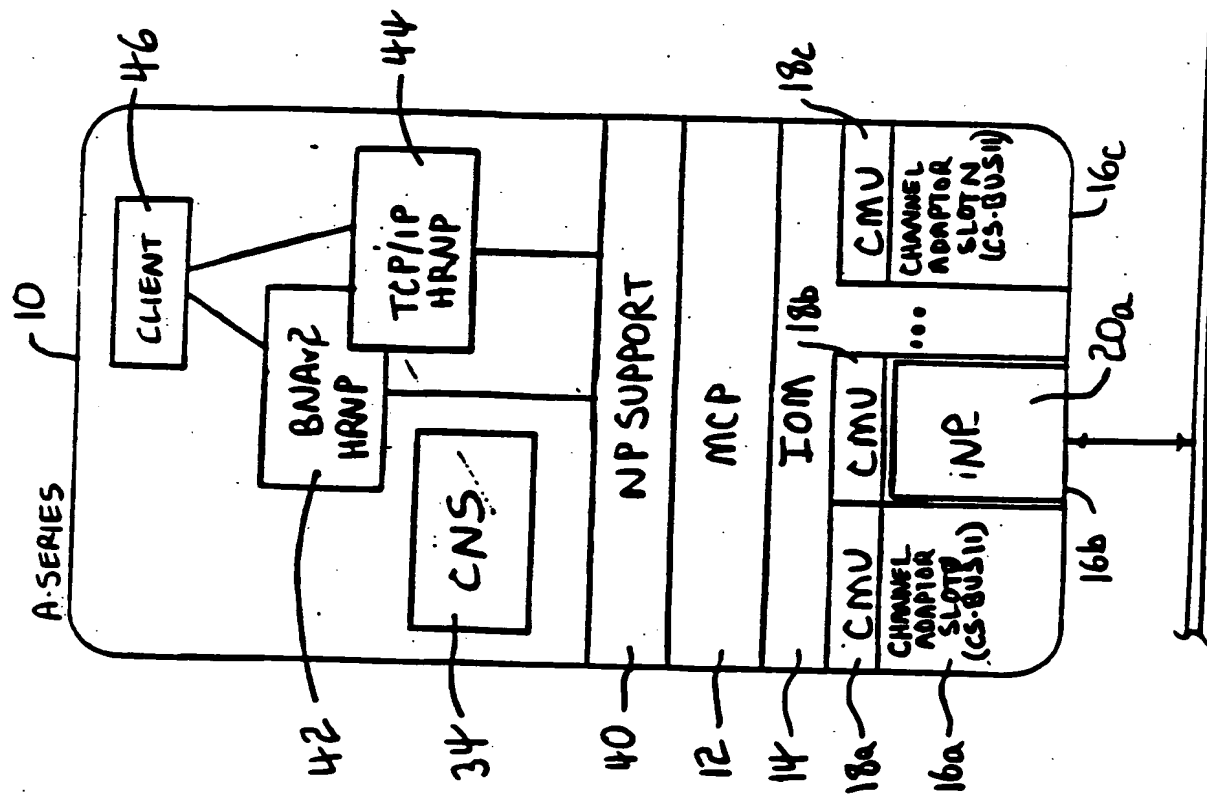


FIG. 2 (Prior Art)

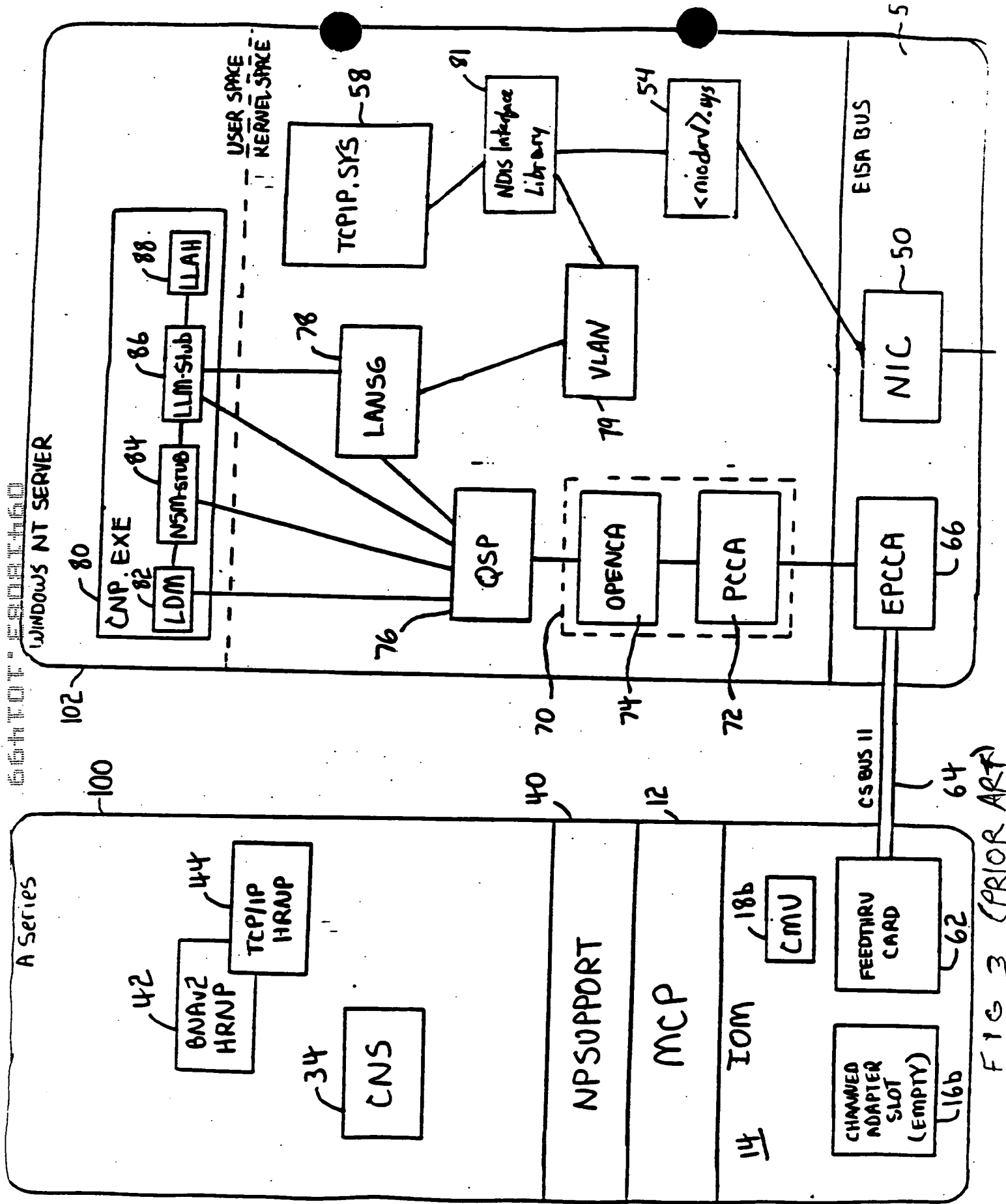


FIG 3 (PRIOR ART)

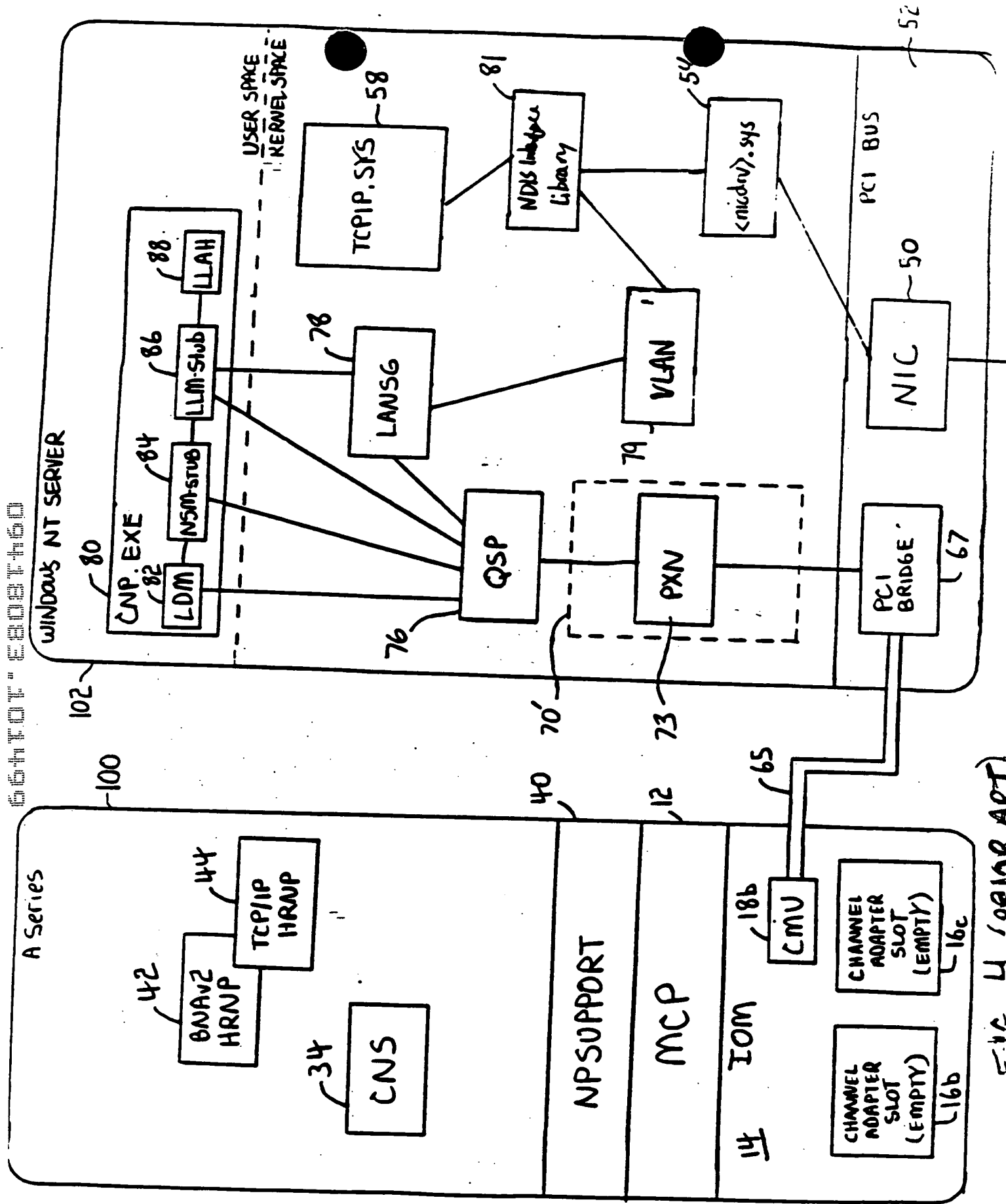
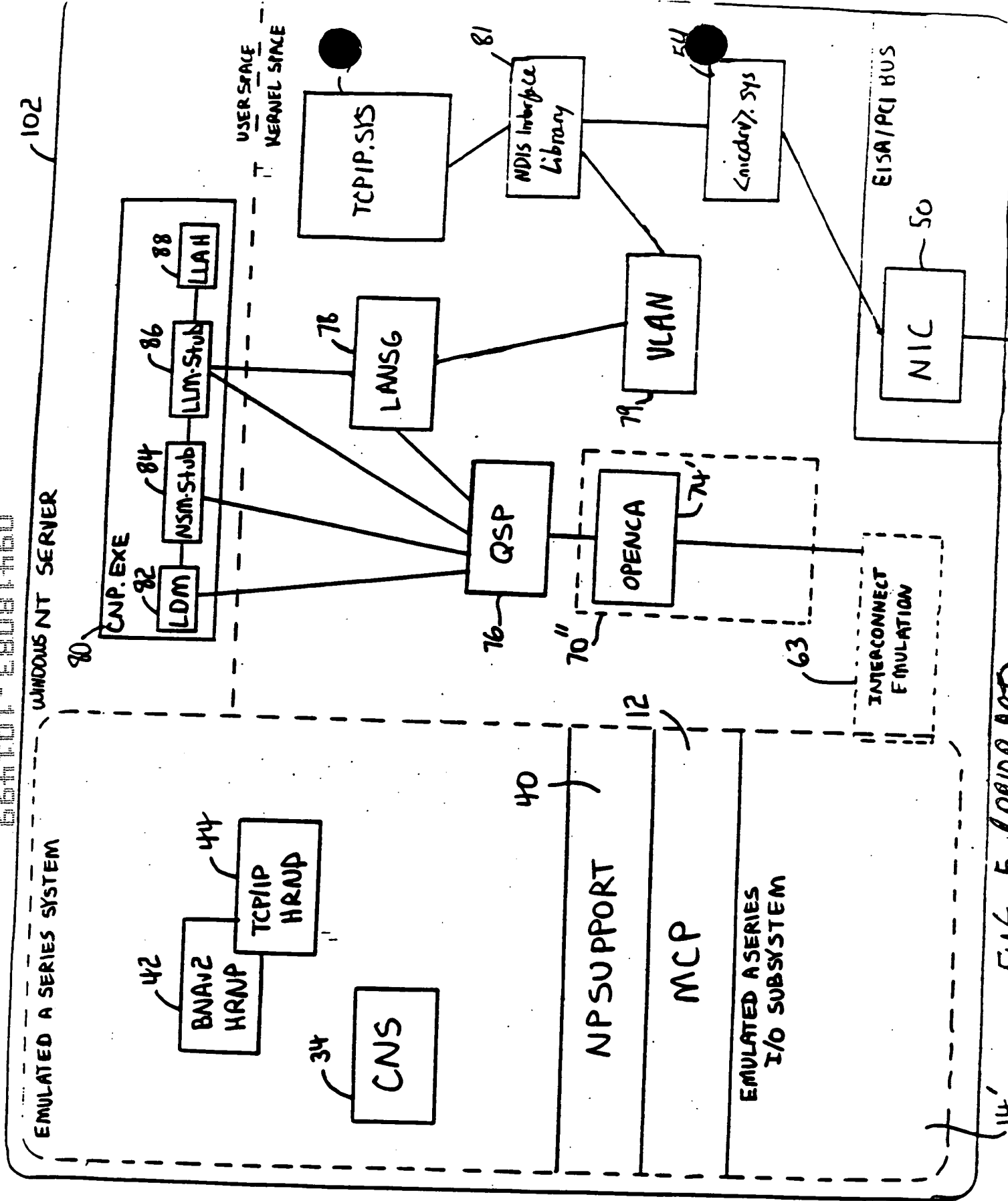


FIG 4 (PRIOR ART)



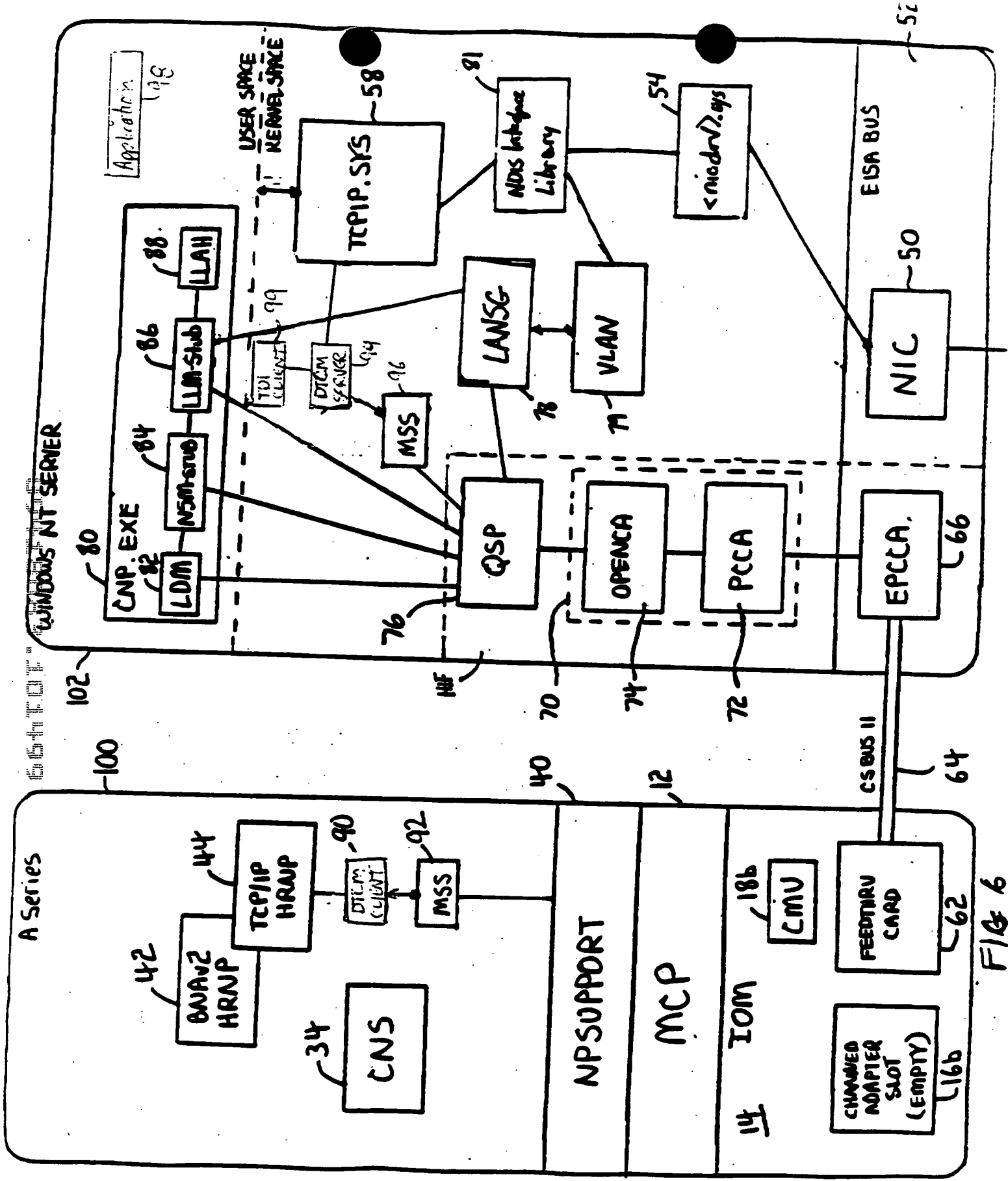


FIG 6

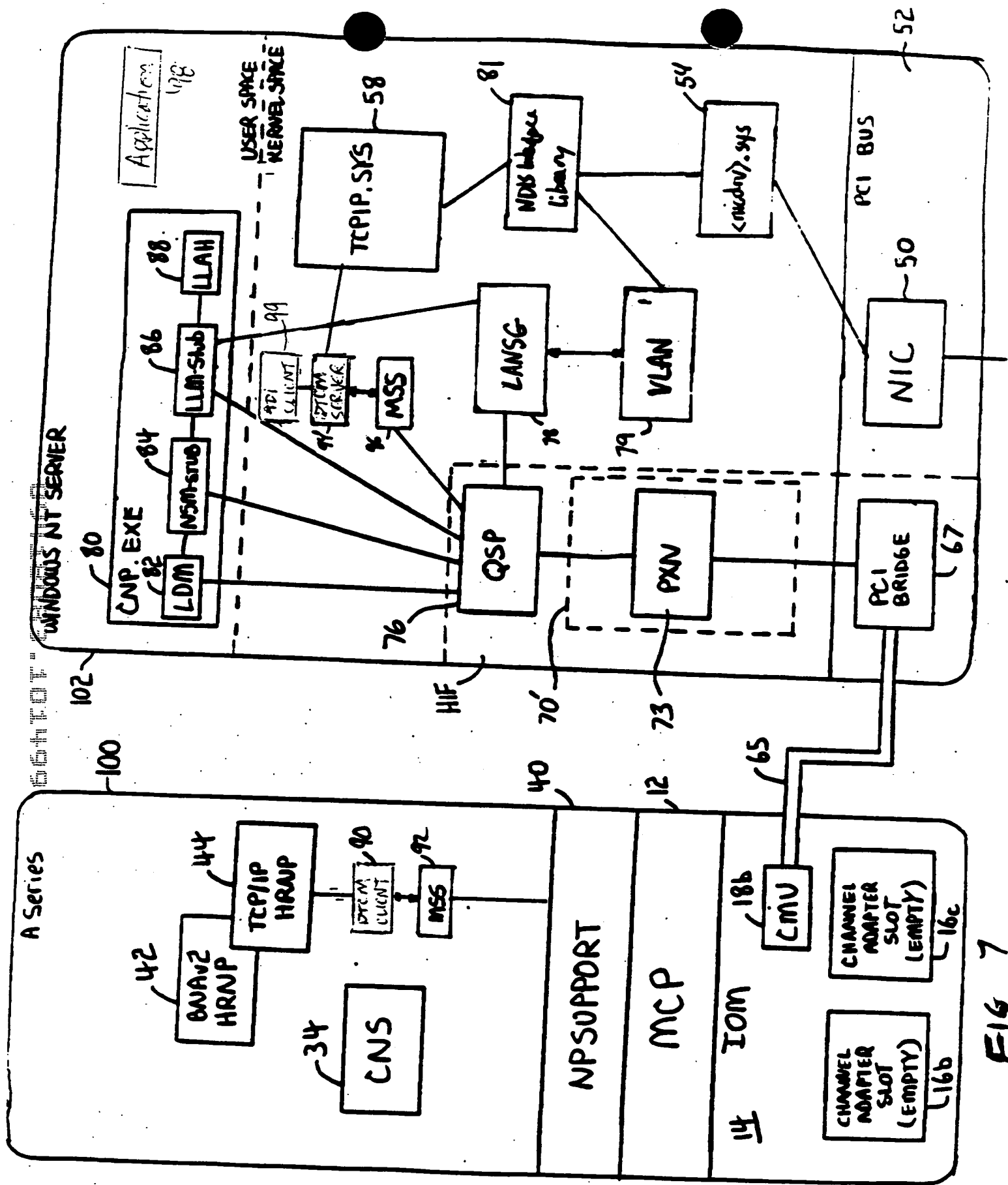
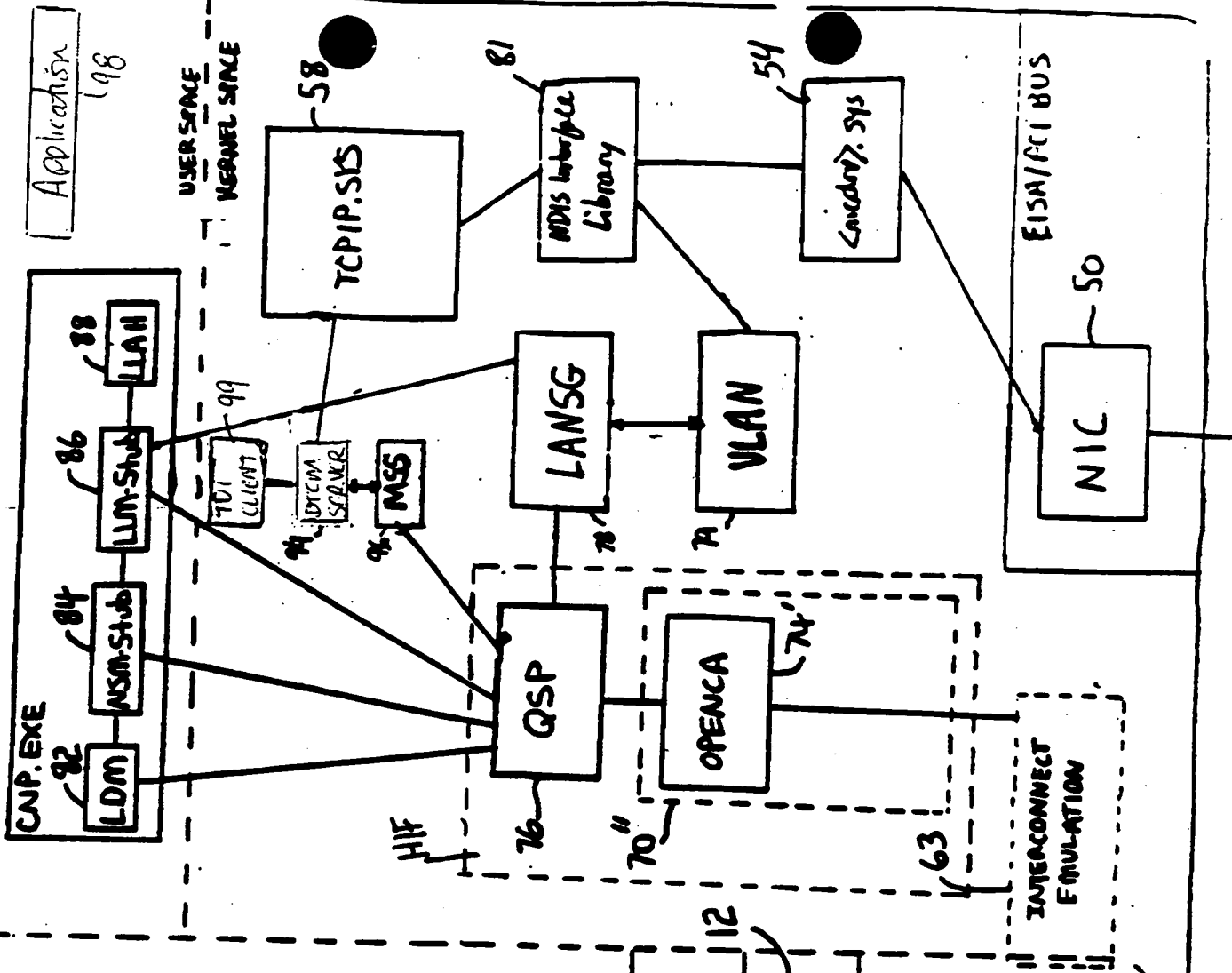
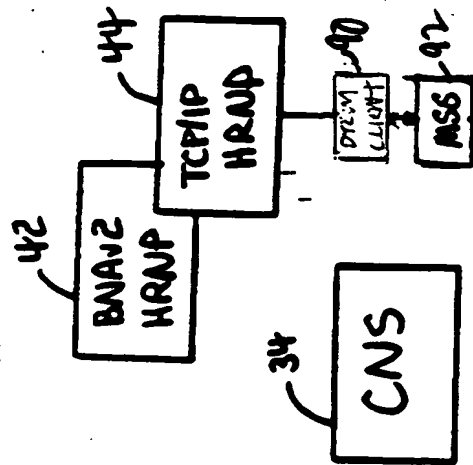


FIG 7



QSP:

Client calls QSP, passing a request
which points to non-contiguous
message segments

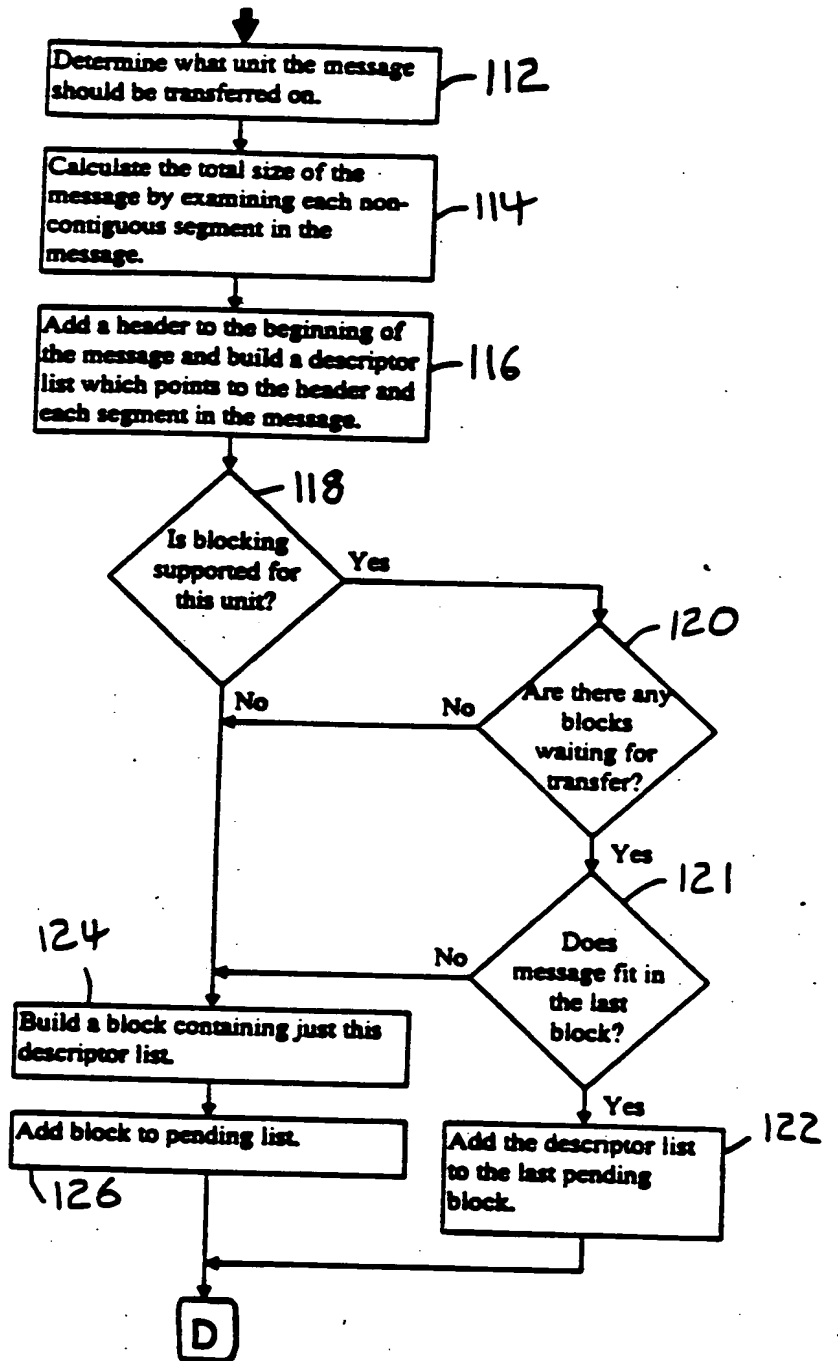


FIG. 9A

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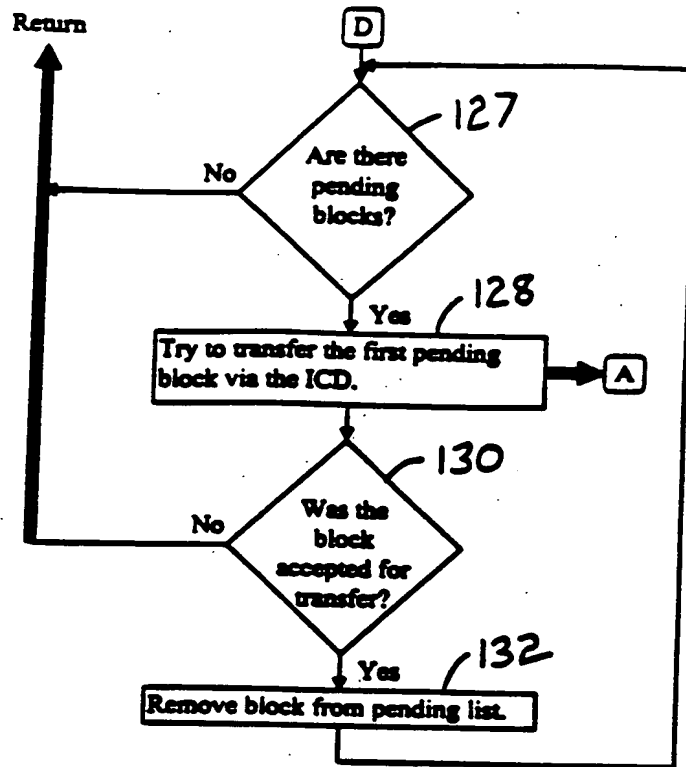


FIG. 9B

ICD:

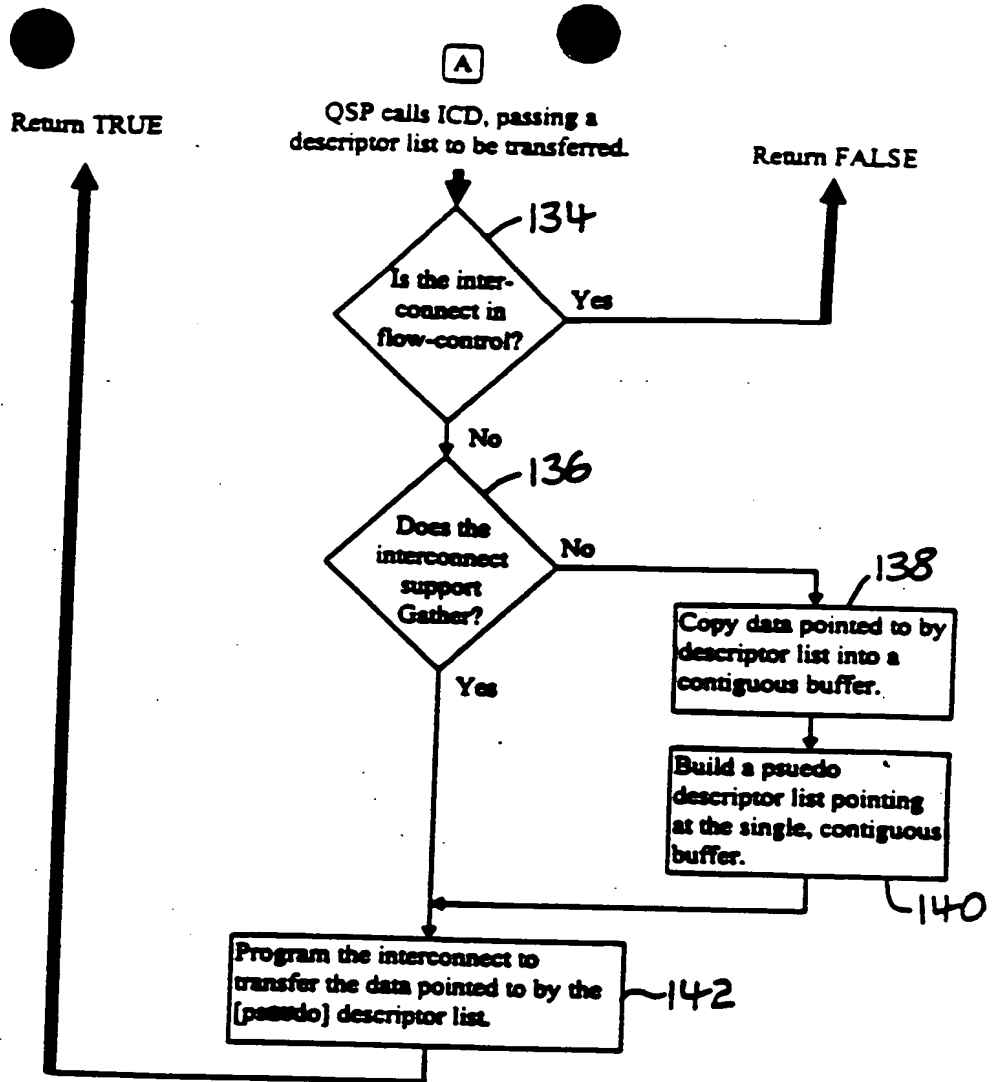
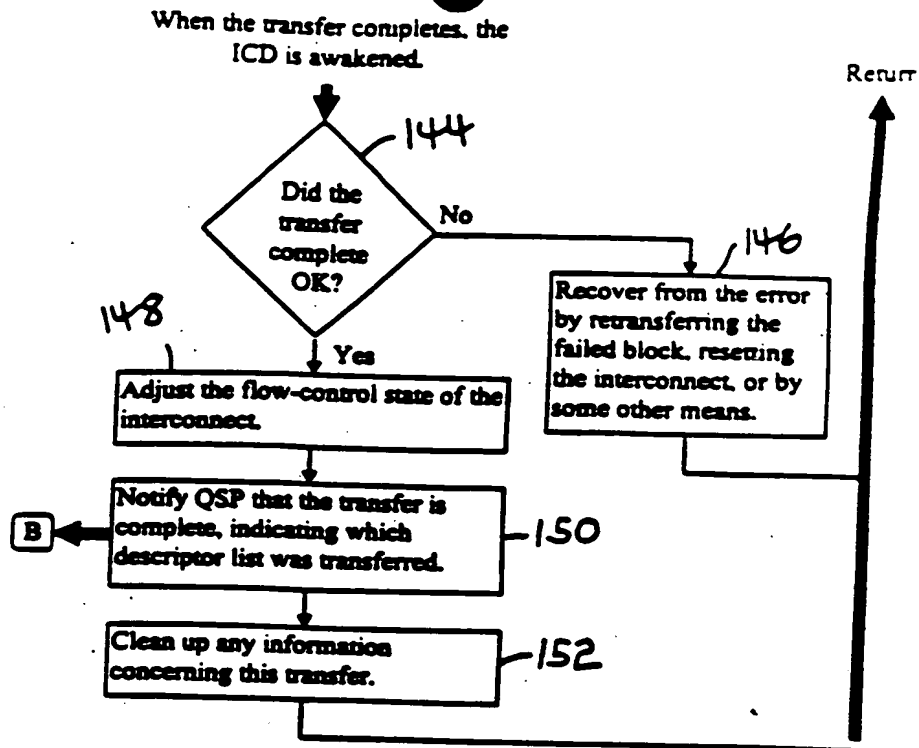


FIG. 9C

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ICD:



QSP:

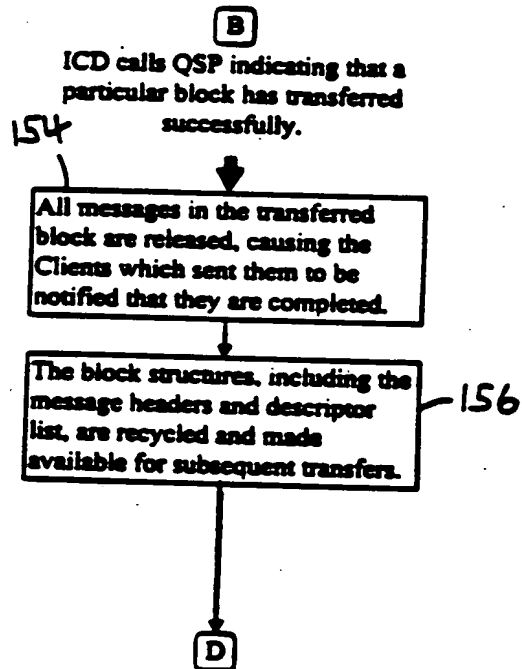
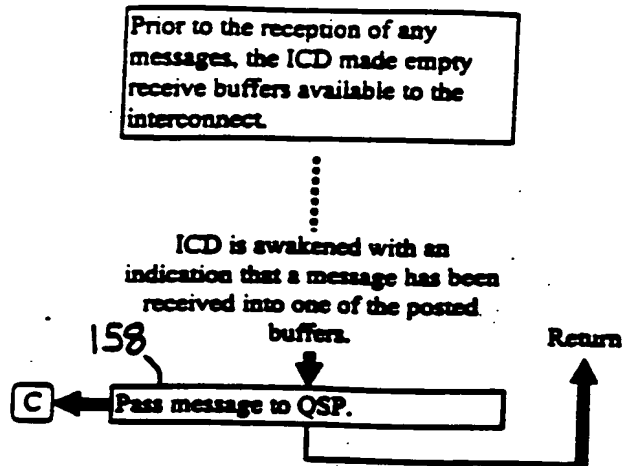


FIG. 9D

664707 E308T460

ICD:



OSP:

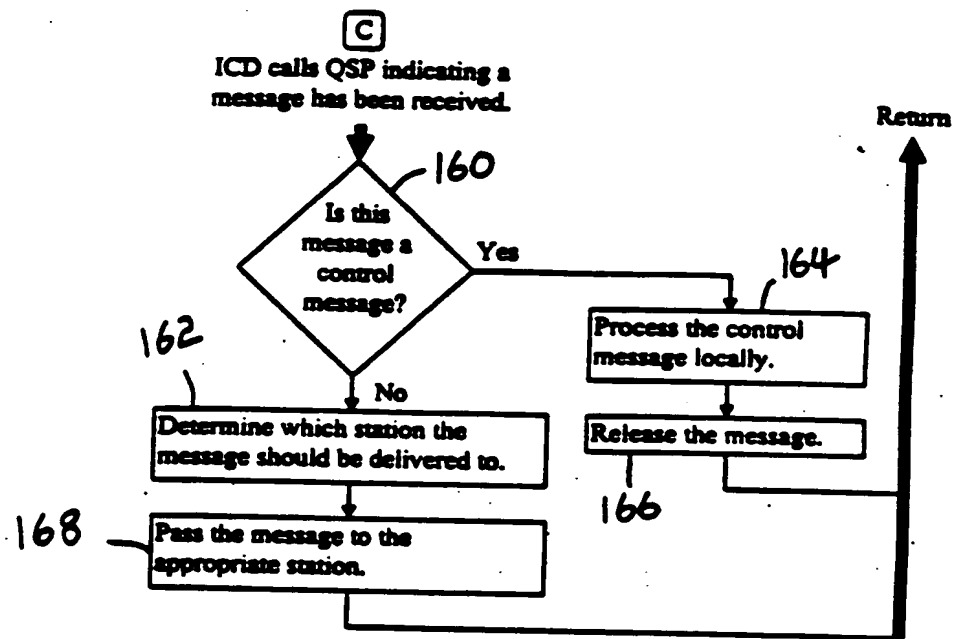


FIG. 9E

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ICD:

ICD's free message call
function is invoked when QSI or
one of its Clients releases the
message buffer.

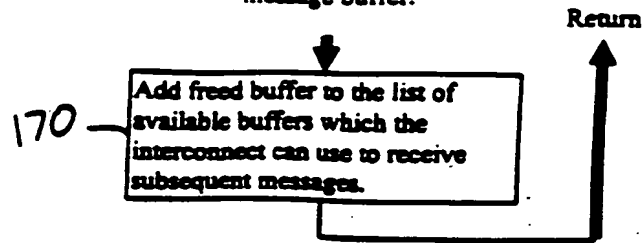
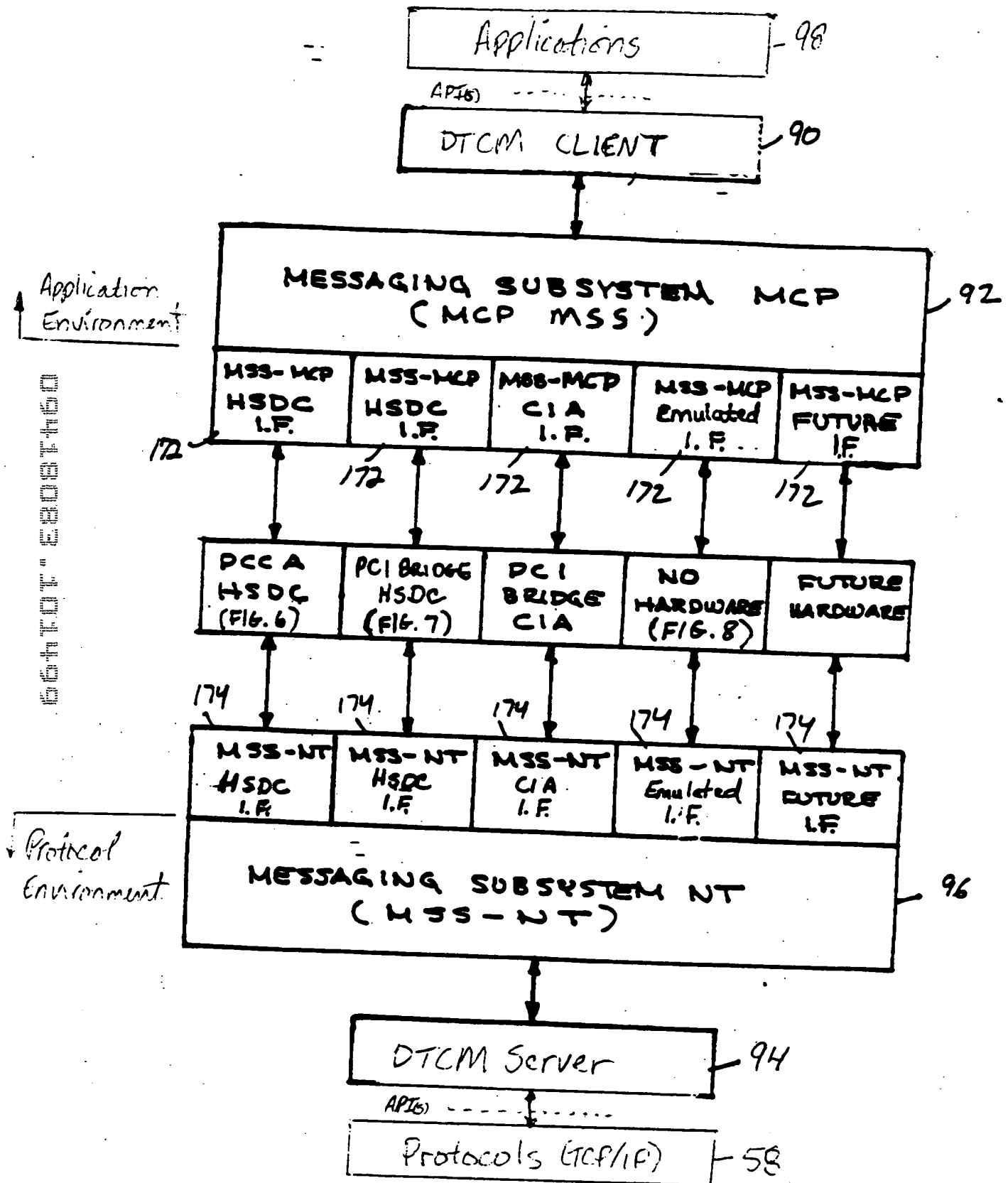


FIG. 9F

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FIGURE 10



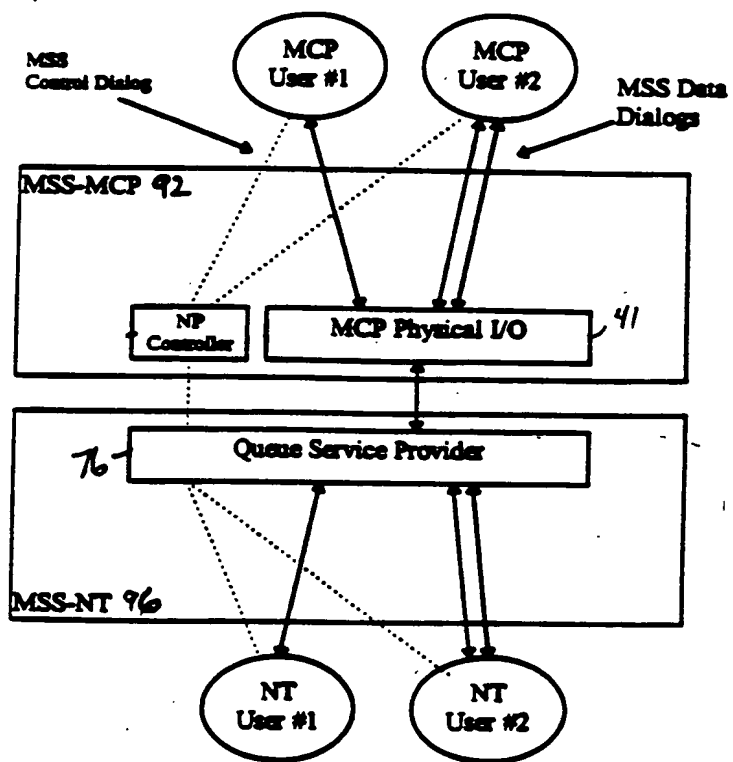


FIGURE 11

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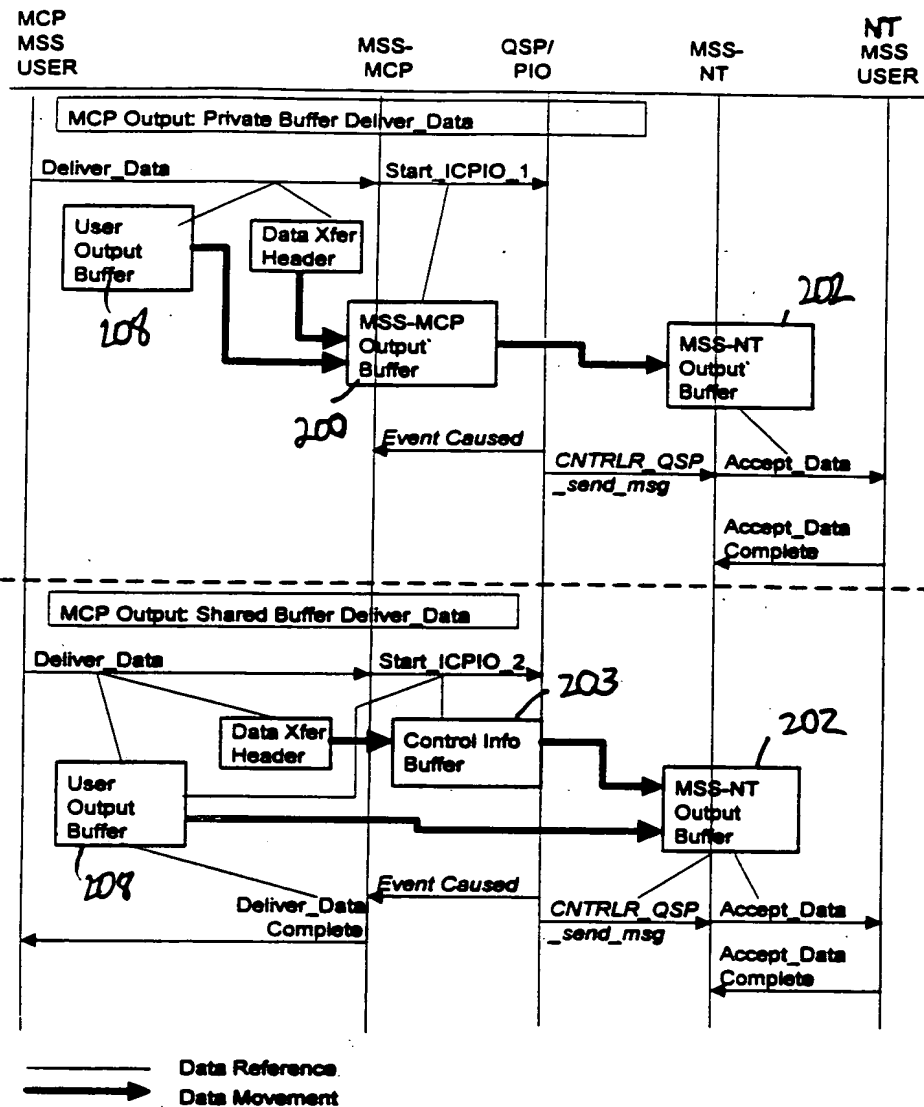


Figure 12 QSP-Based Output Data Transfer Flow Diagram

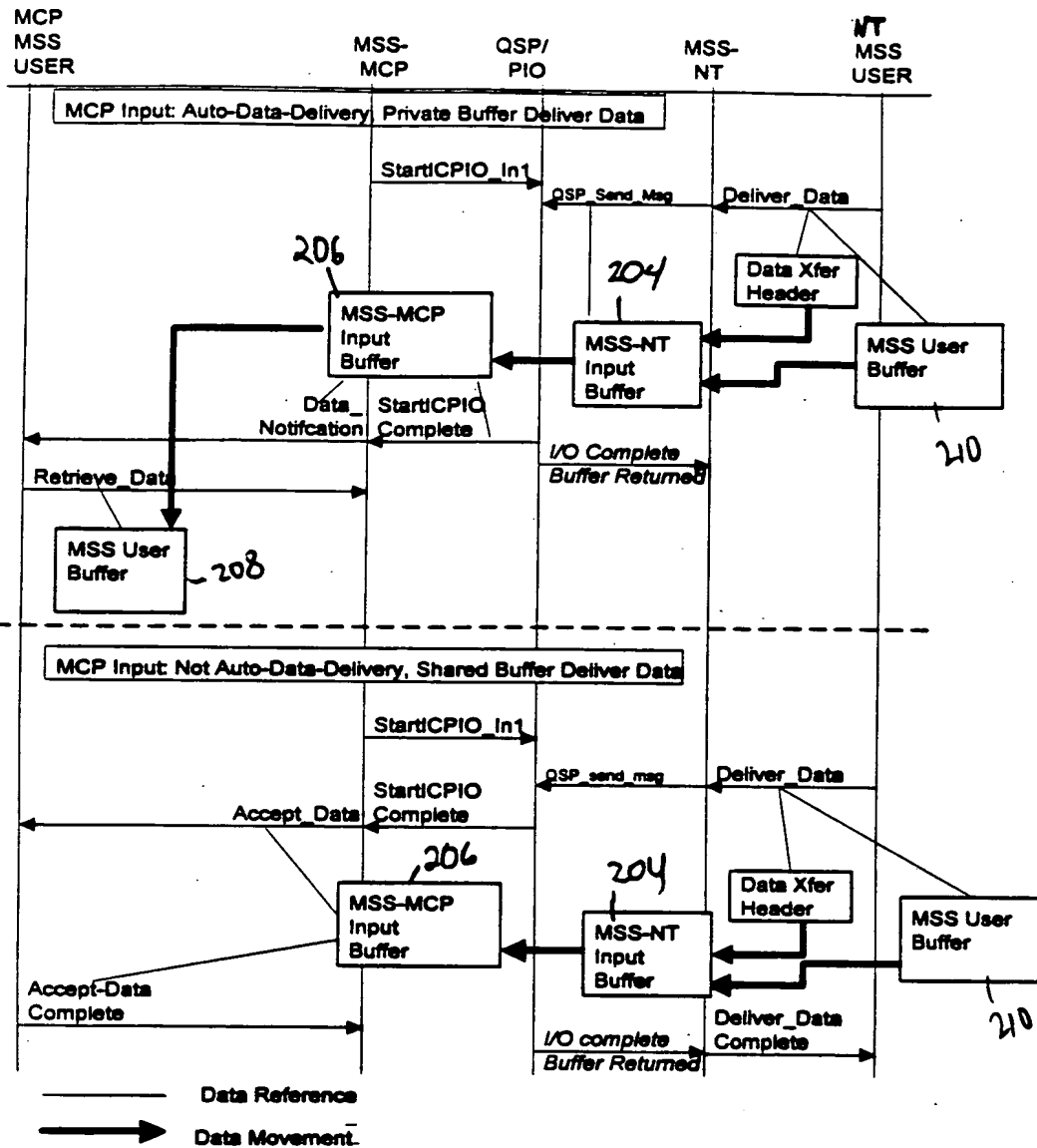


Figure 13. QSP-Based Input Data Transfer Flow Diagram

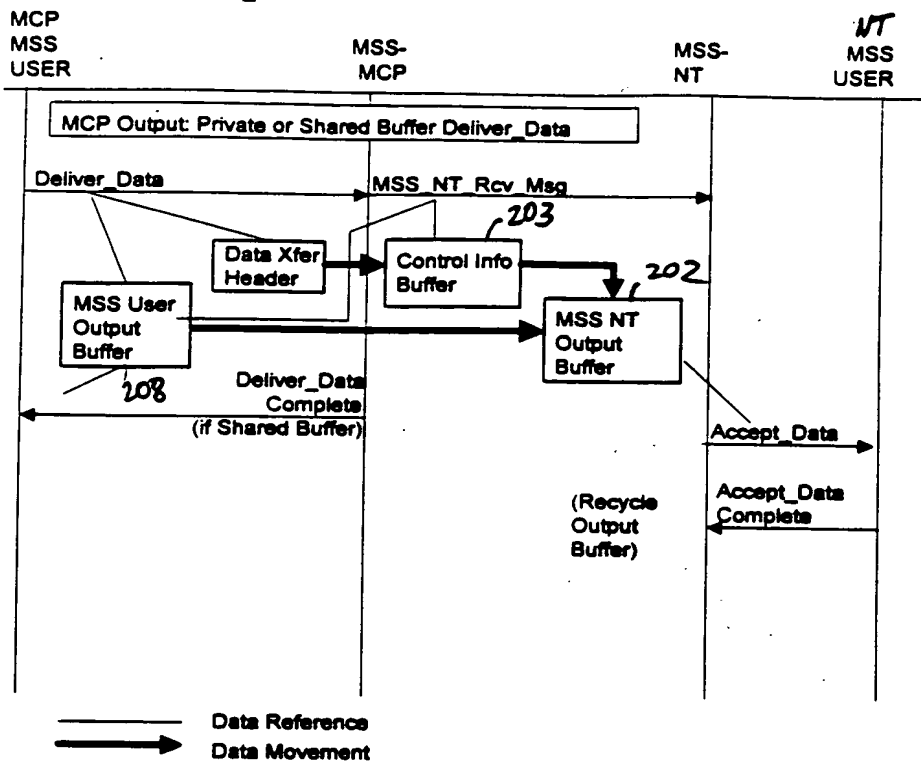


Figure 14 Emulation-Based Output Data Transfer Flow Diagram

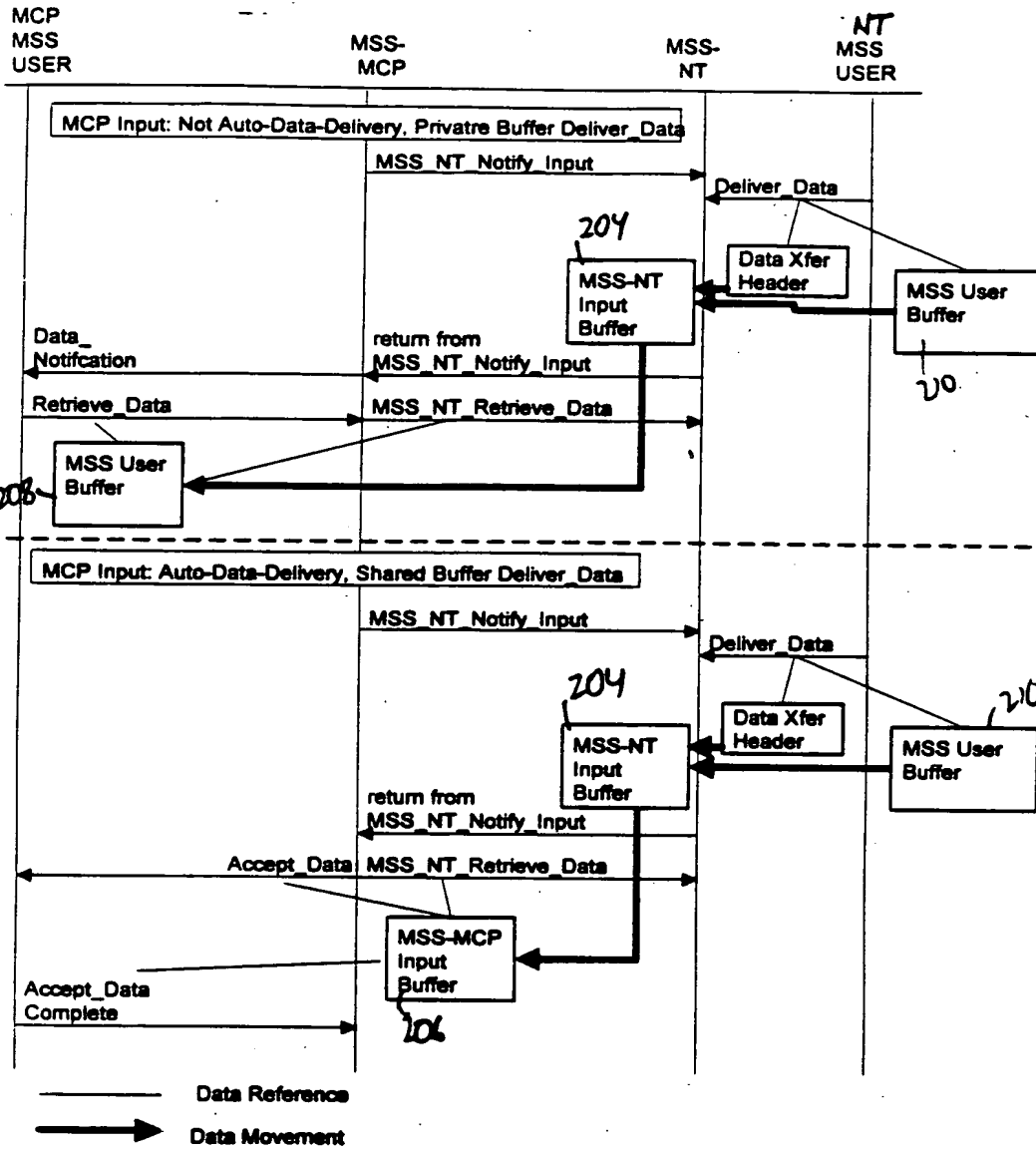


Figure 15 Emulation-Based Input Data Transfer Flow Diagram

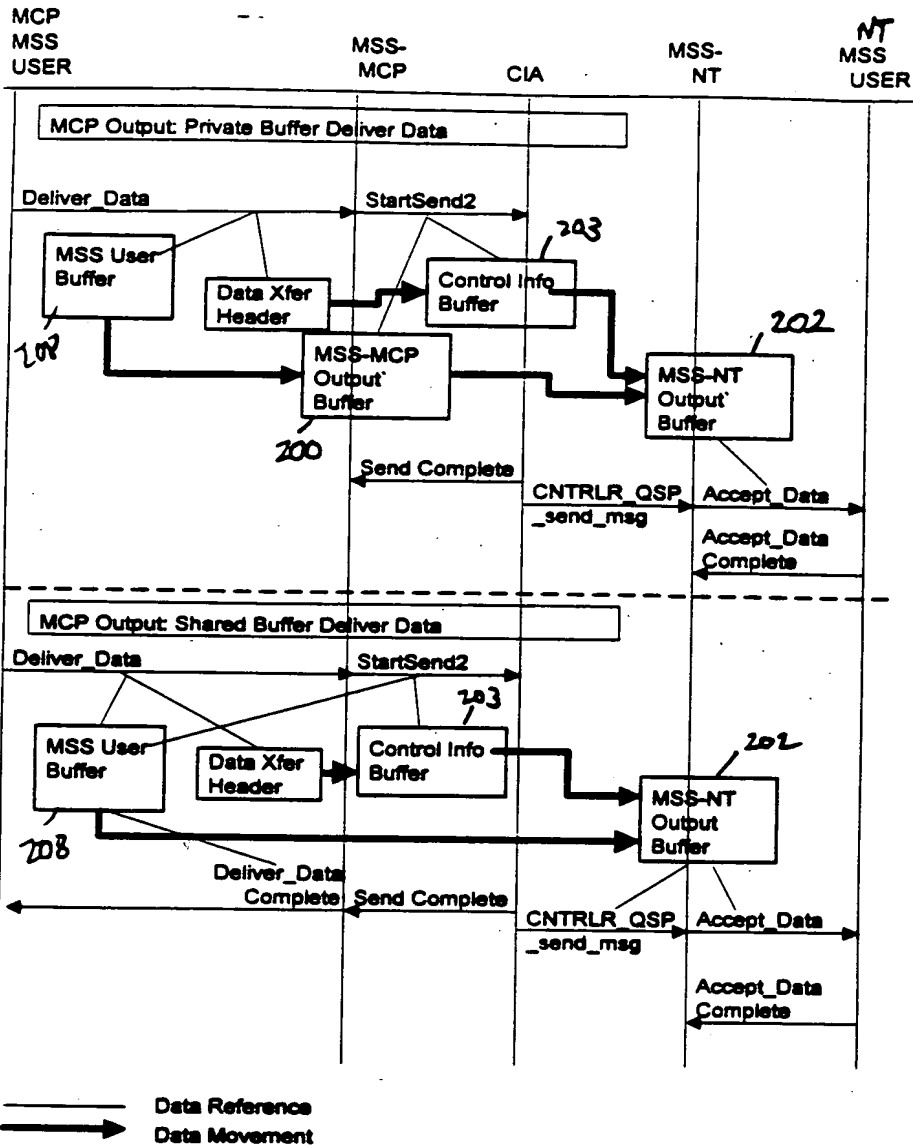


Figure 16 CIA-Based Output Data Transfer Flow Diagram

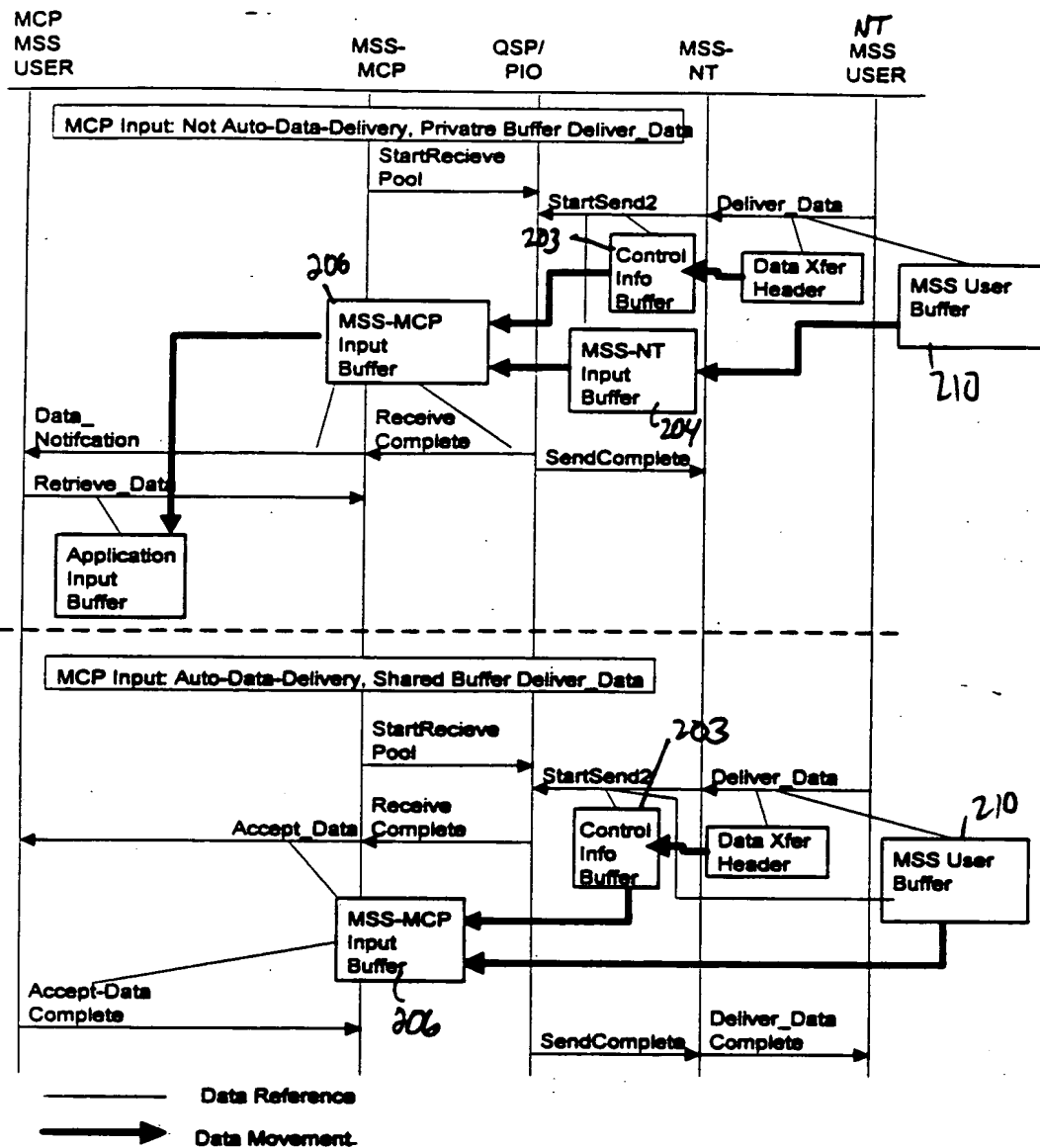
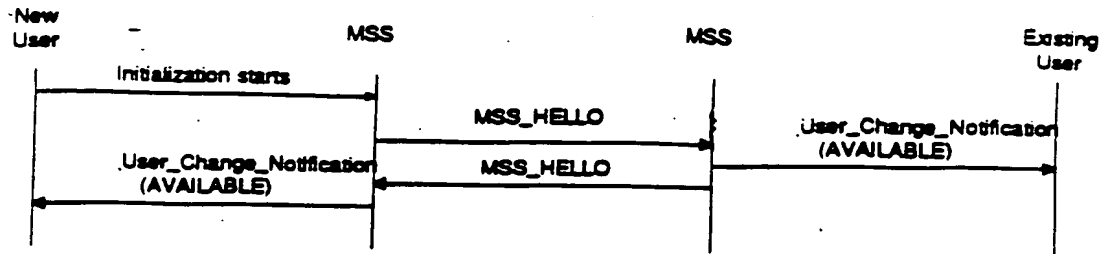
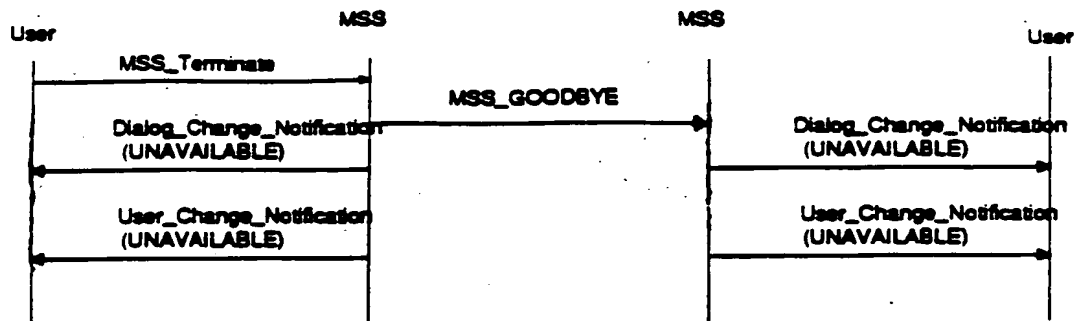


Figure 17 CIA-Based Input Data Transfer Flow Diagram



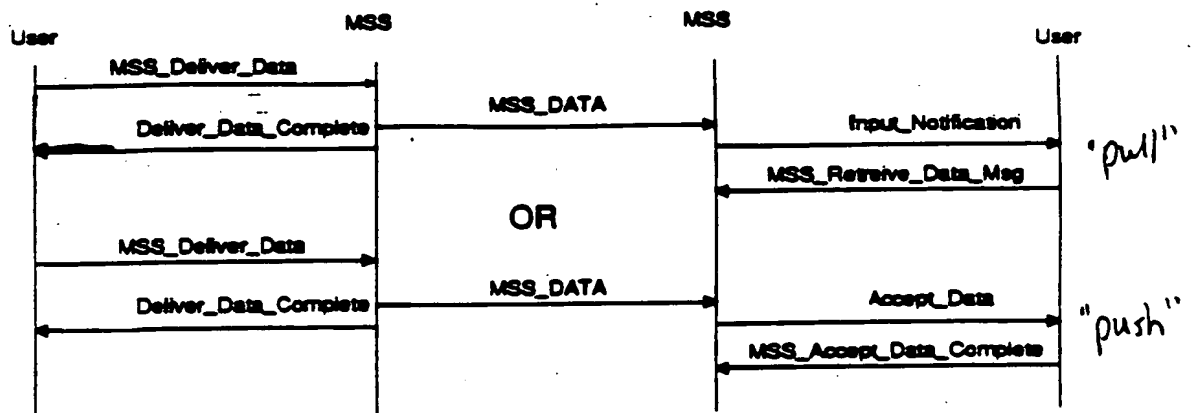
MSS Initialization / Greeting

FIGURE 18



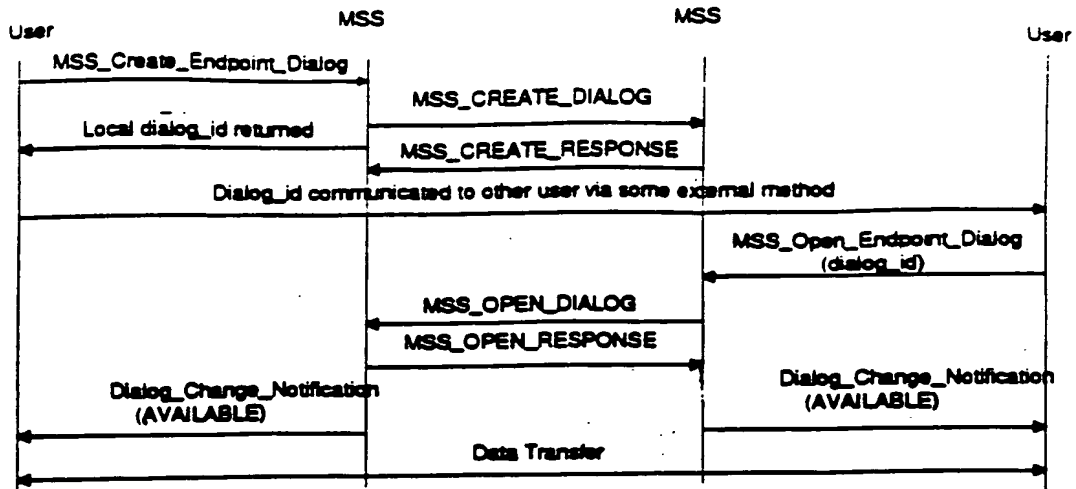
MSS Termination

FIGURE 19



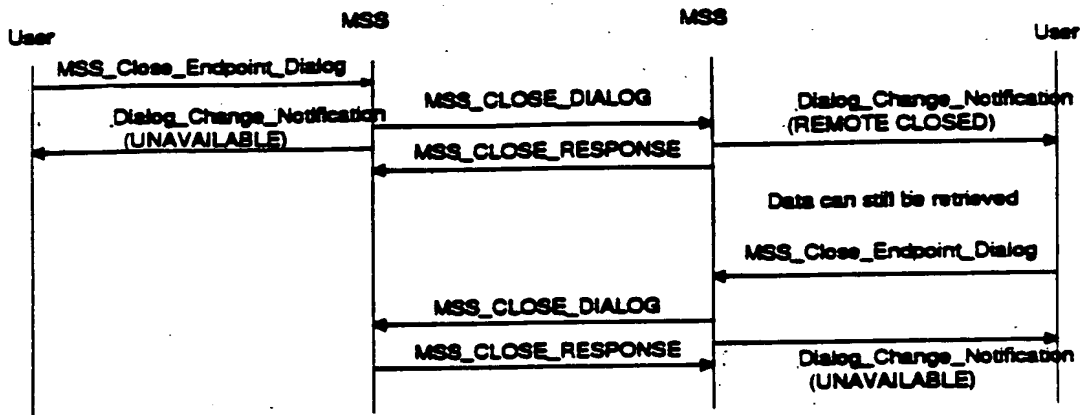
MSS Data Transfer

FIGURE 20



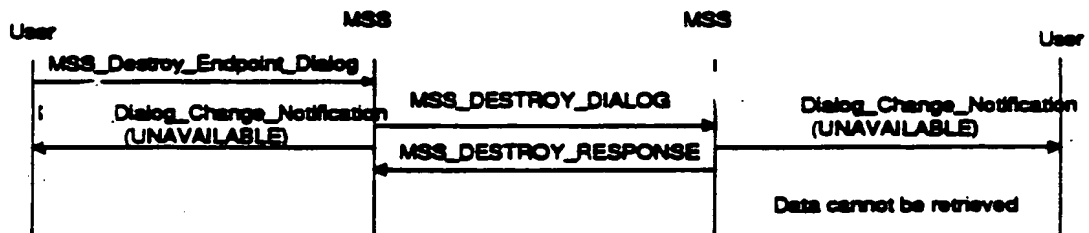
MSS Endpoint Dialog Creation

FIGURE 21



MSS Endpoint Dialog Termination (Normal Close)

FIGURE 22



MSS Endpoint Dialog Termination (Destroy)

FIGURE 23

DIALOG ESTABLISHMENT (MSS)

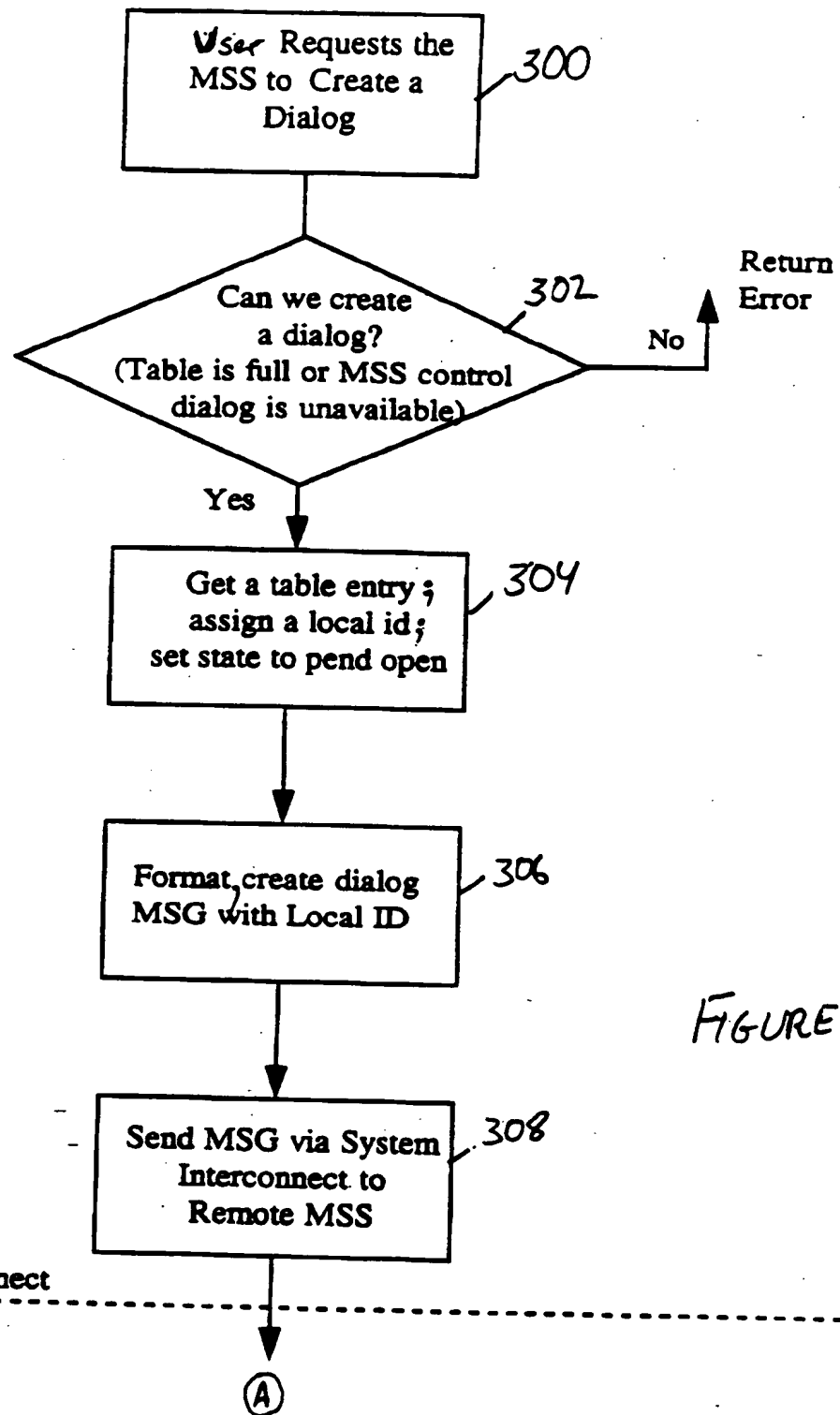
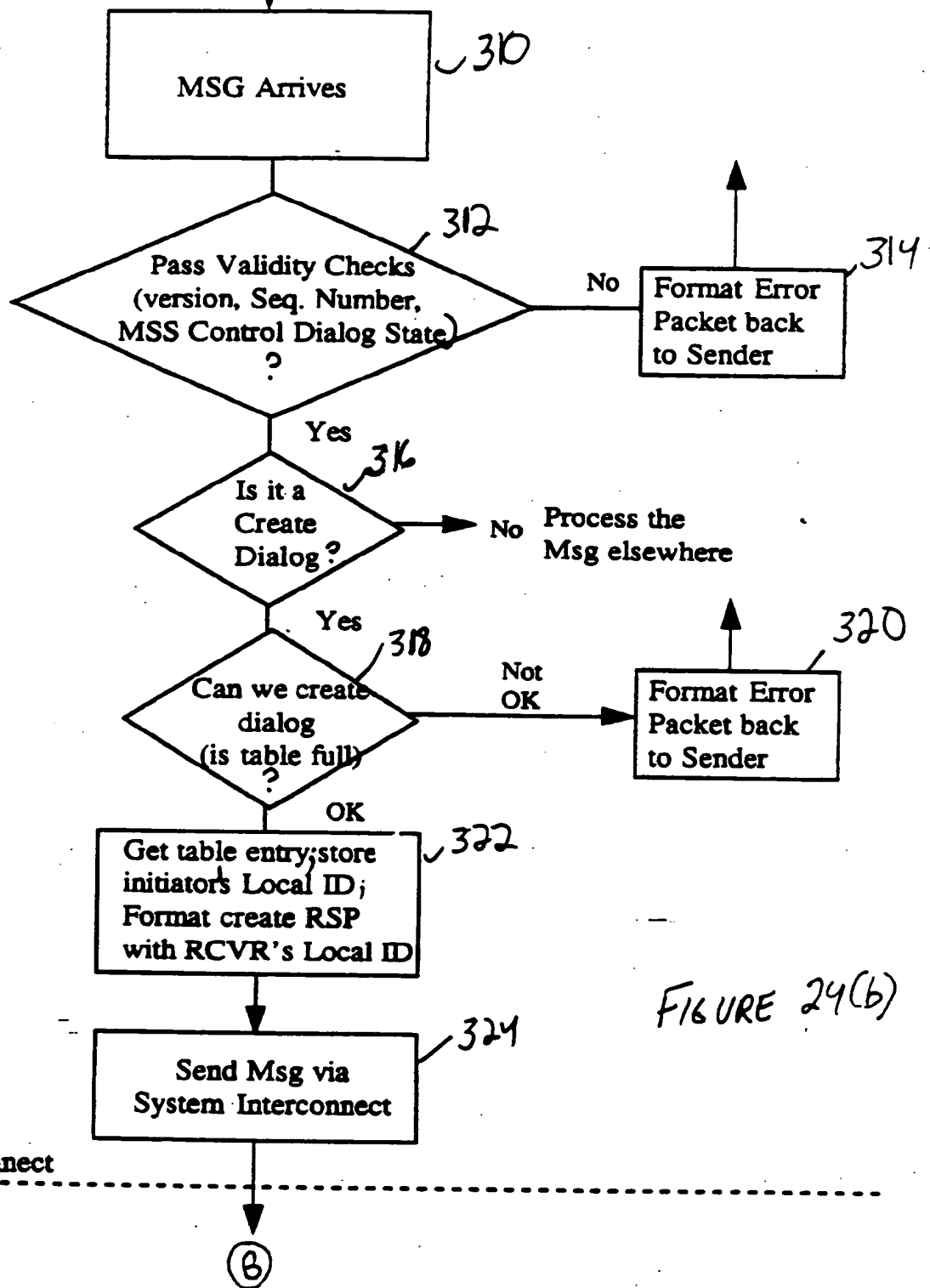


FIGURE 24(a)

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DIALOG ESTABLISHMENT (MSS)



DIALOG ESTABLISHMENT^(B) (MSS)

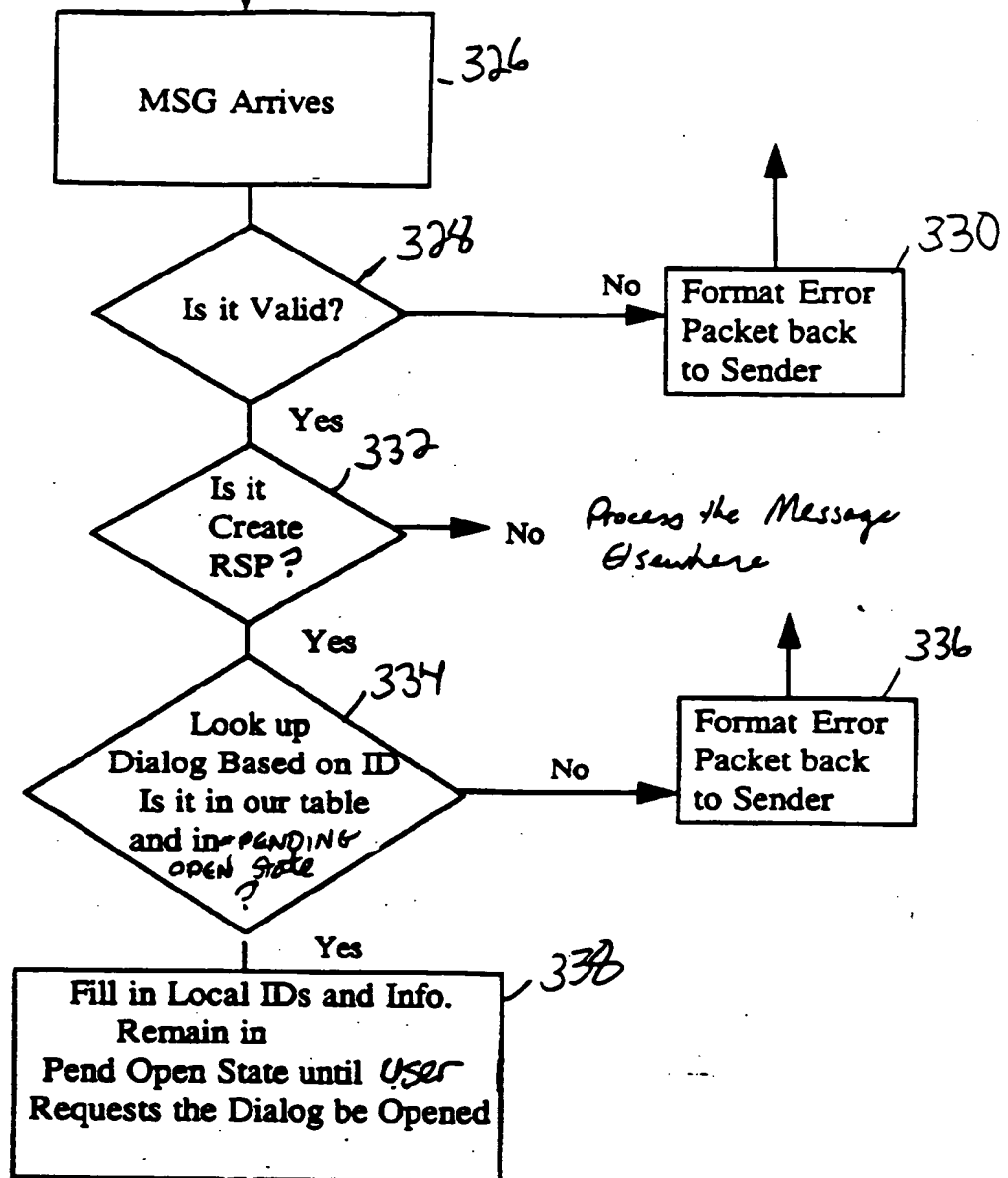


FIGURE 24(c)

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DIALOG ESTABLISHMENT (mss)

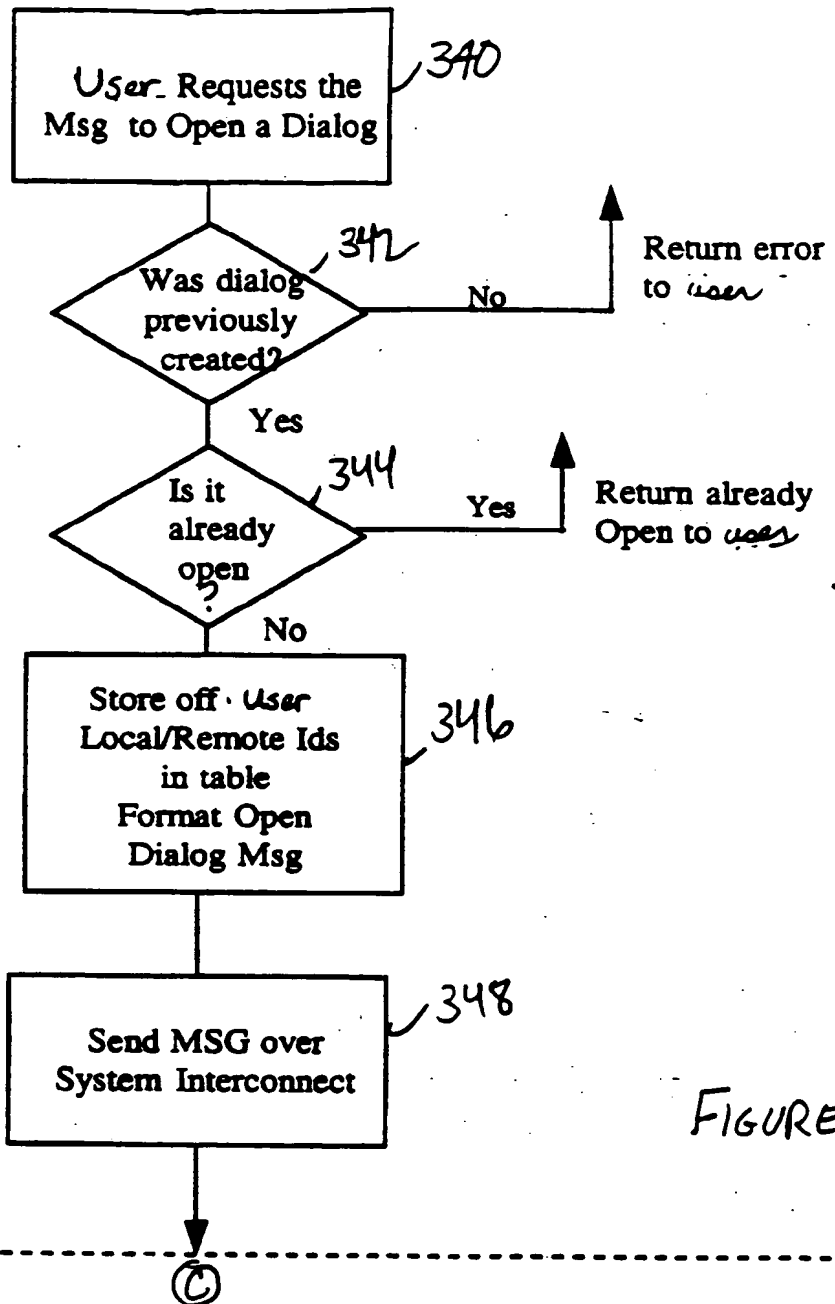
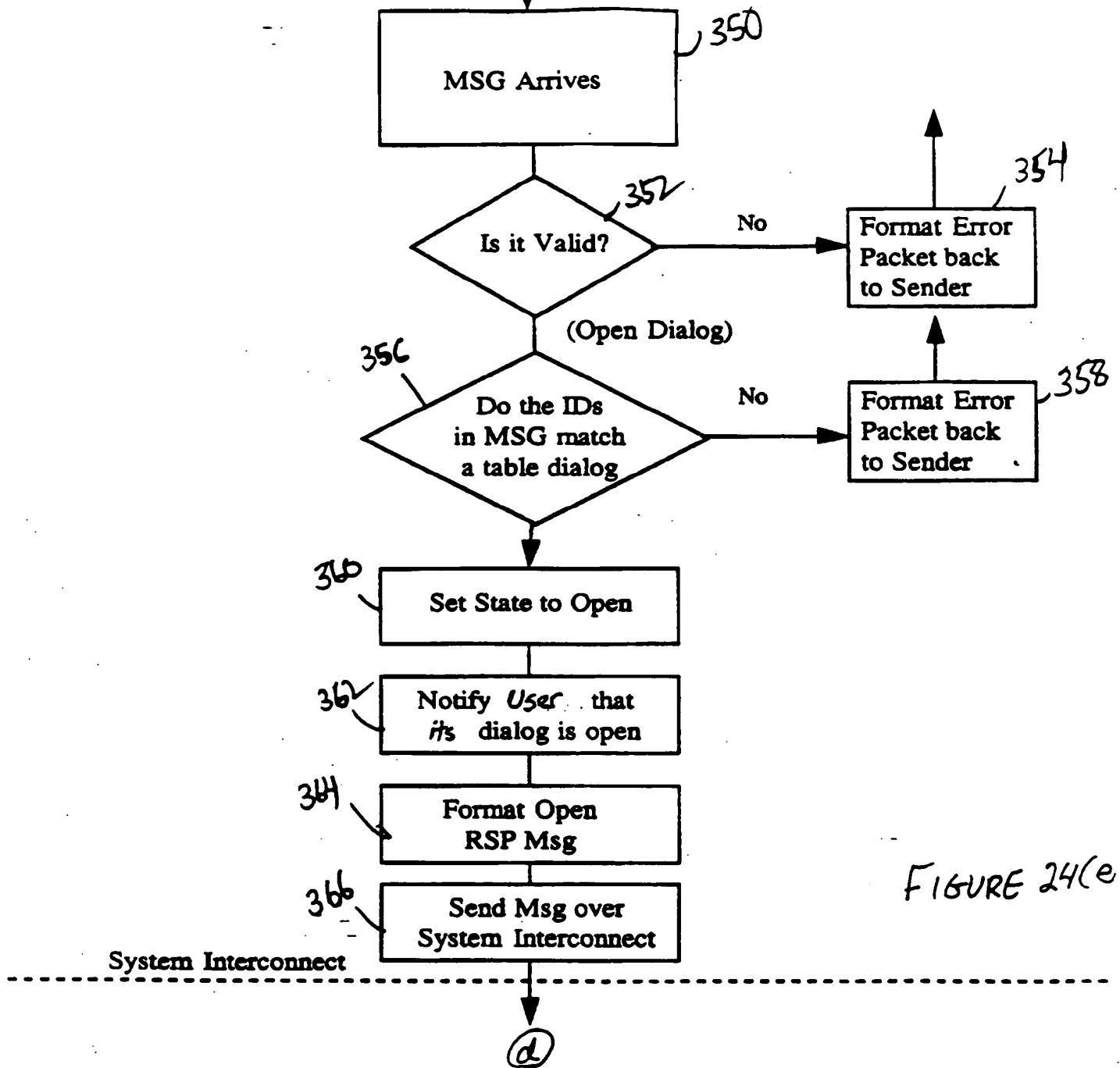


FIGURE 24(d)

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DIALOG ESTABLISHMENT



DIALOG ESTABLISHMENT

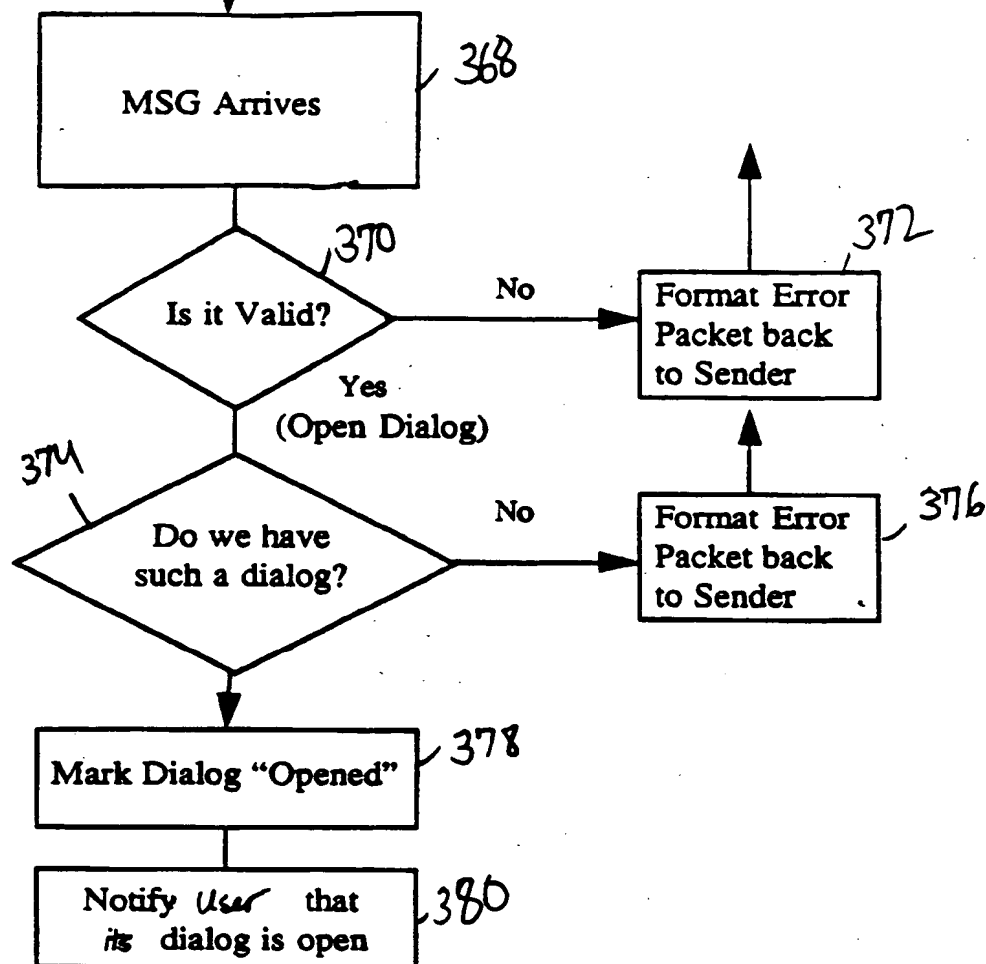
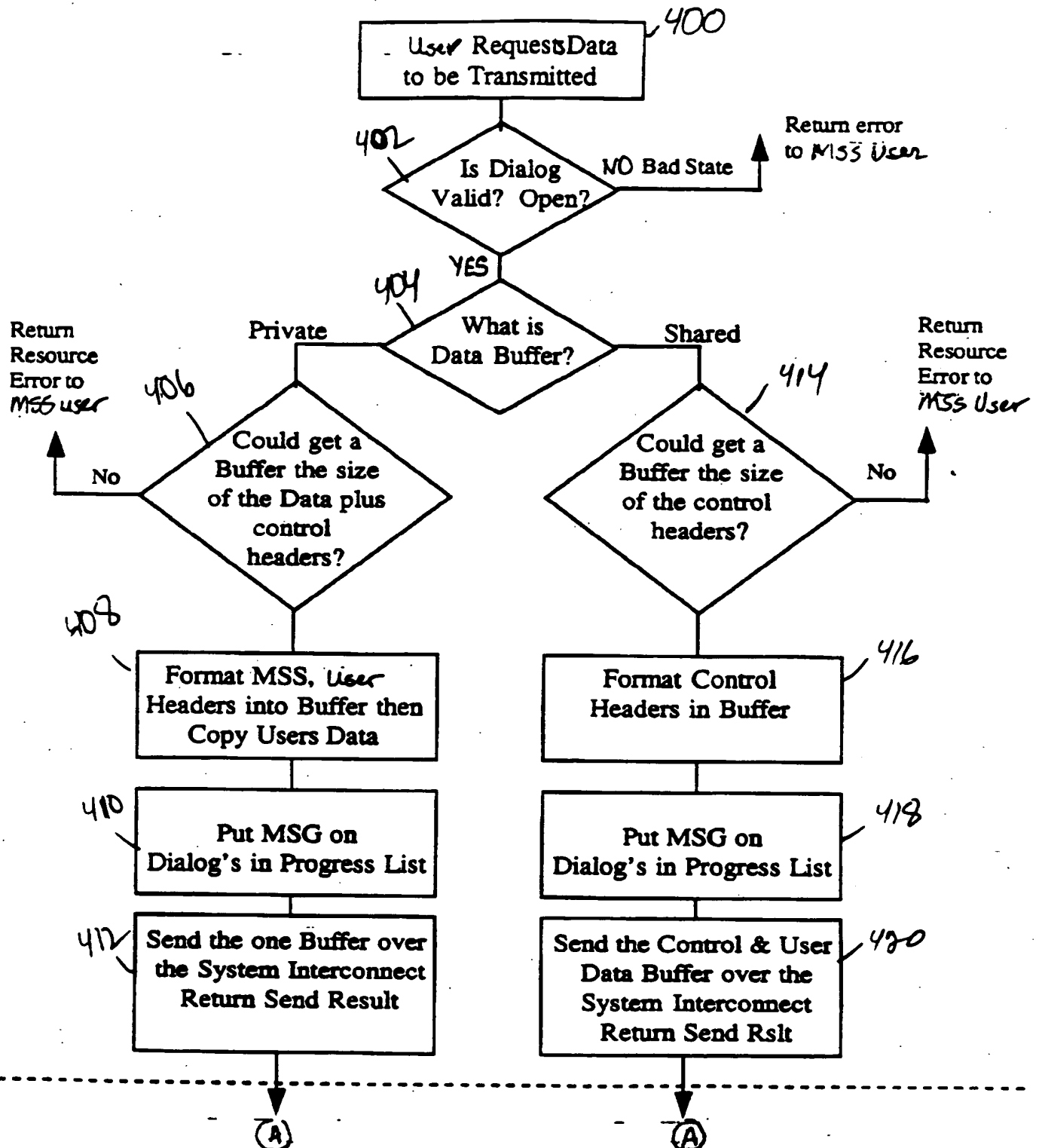


FIGURE 24(f)

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Output Over MSS

FIGURE 25(a)



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Output

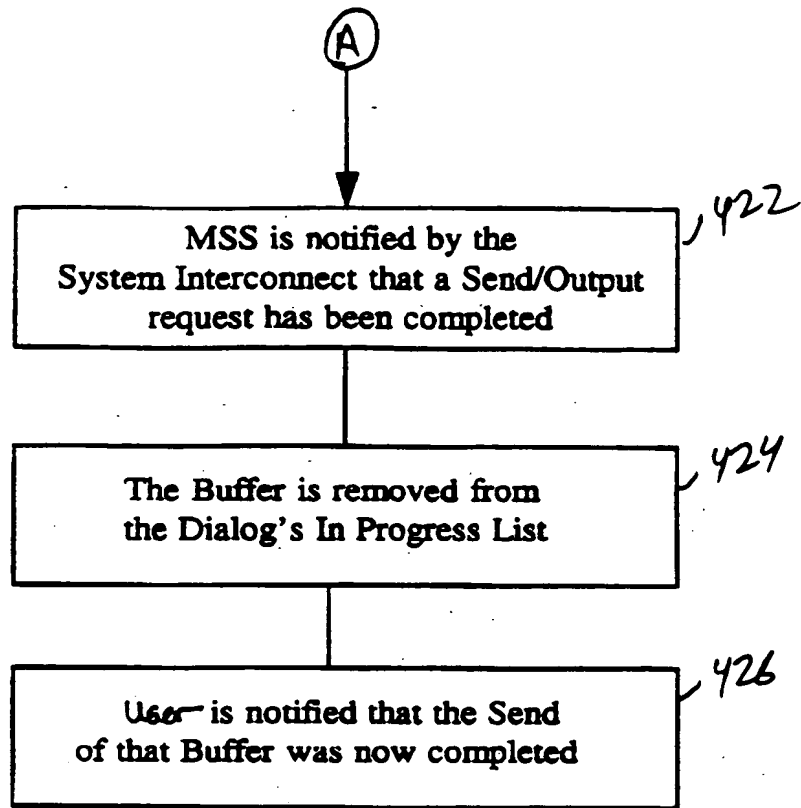


FIGURE 25(b)

INPUT From MSS

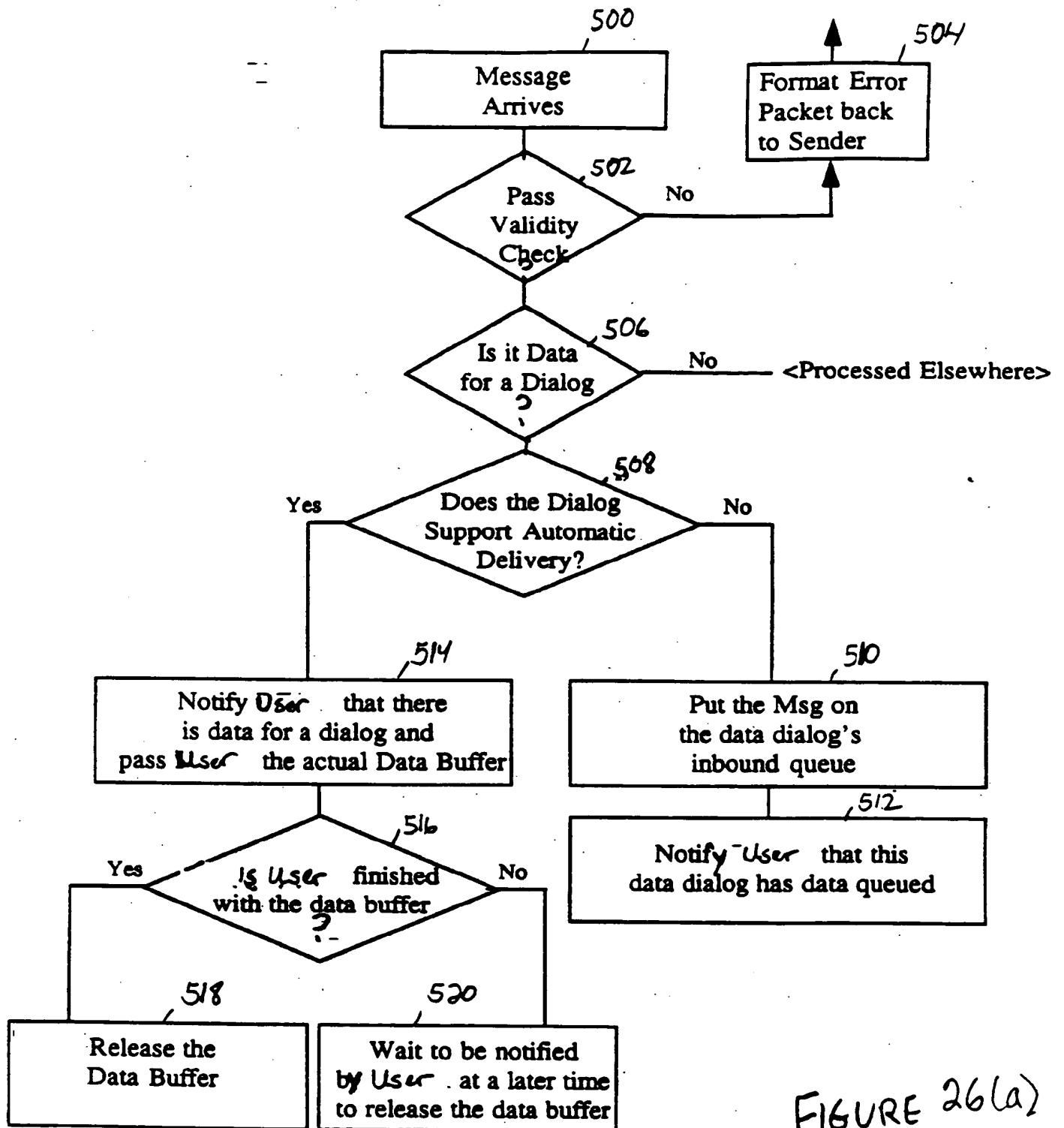


FIGURE 26(a)

INPUT FROM MSS

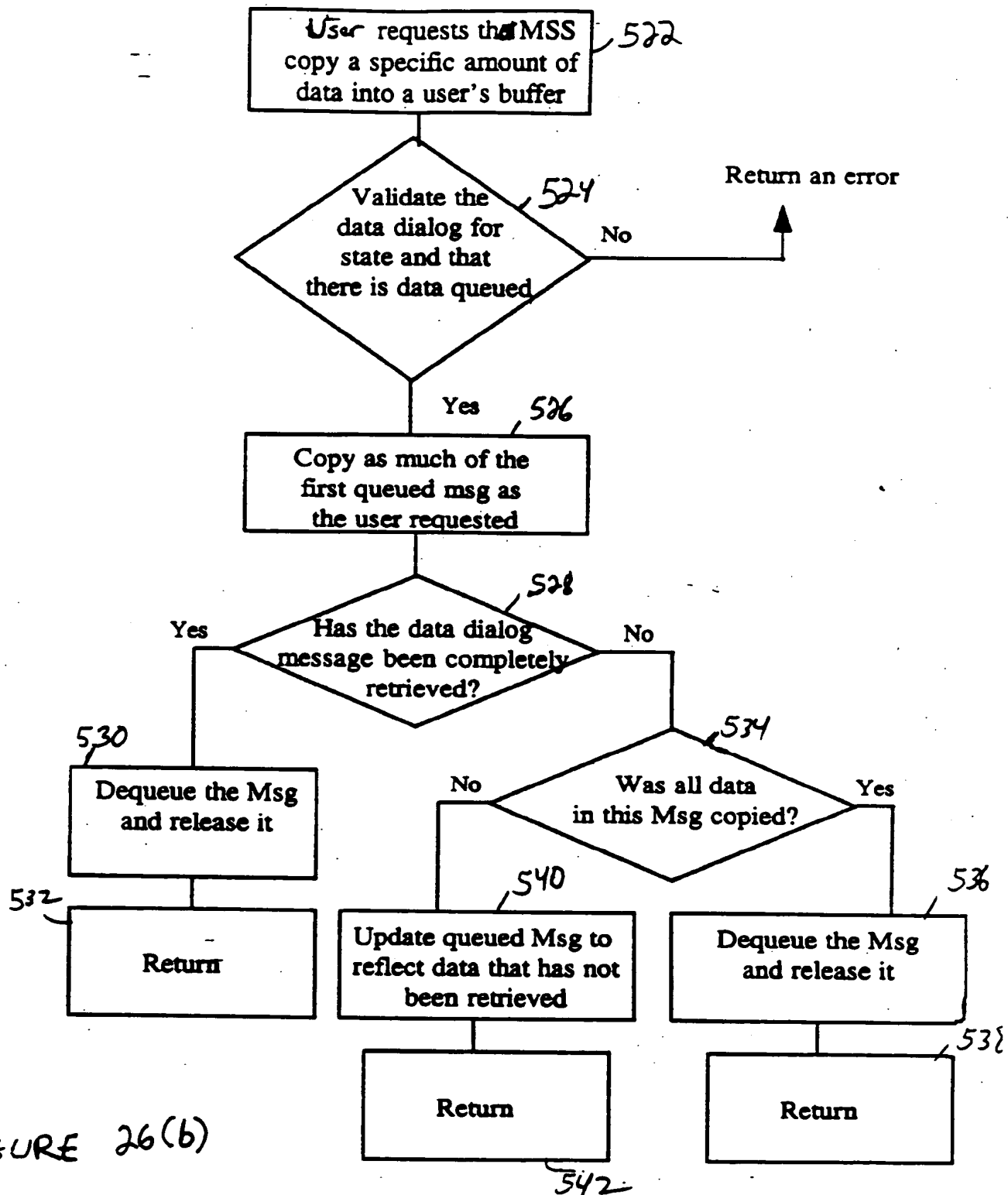


FIGURE 26(b)

04418083 104459

DIALOG TERMINATION (MSS)

60418003 10440

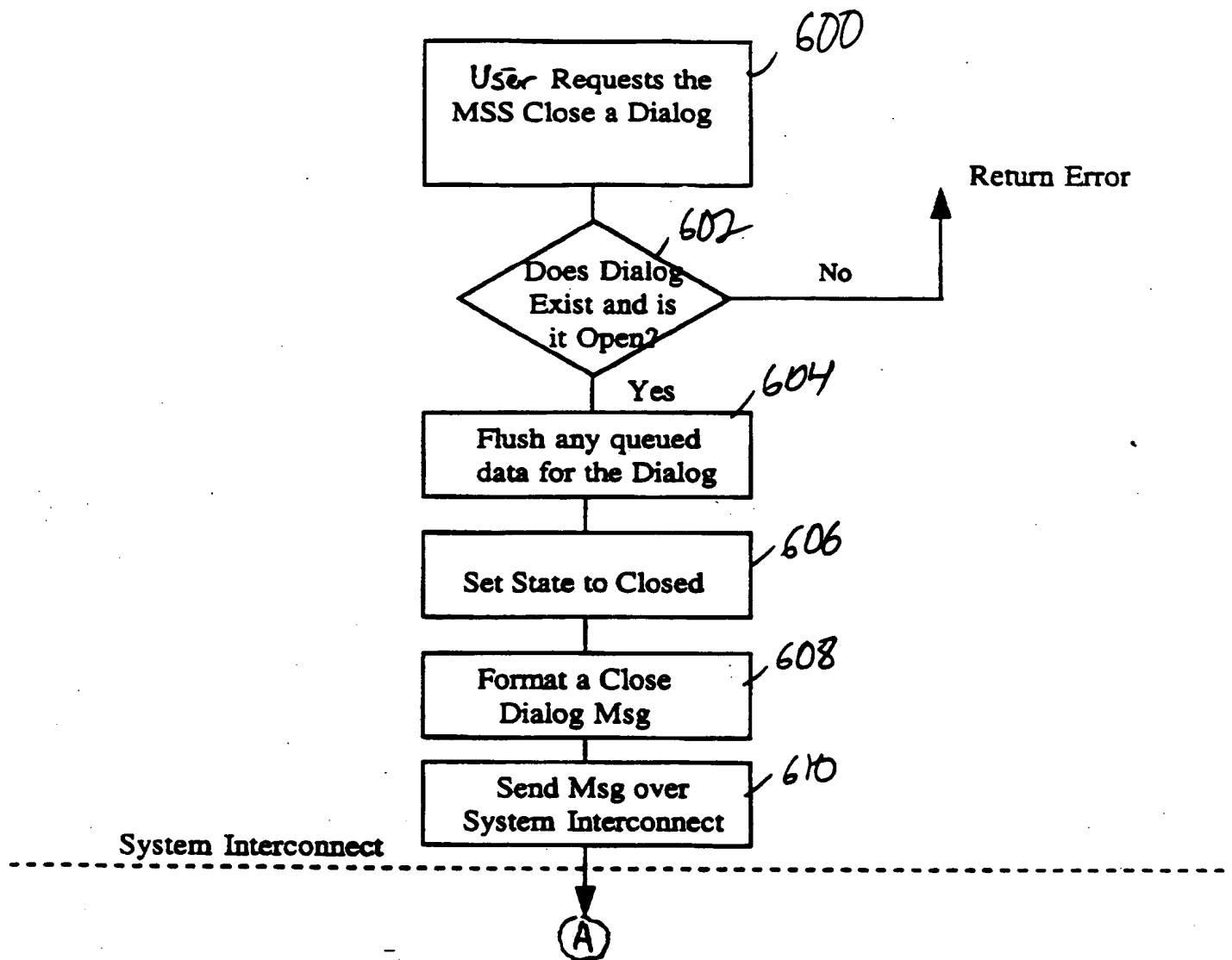
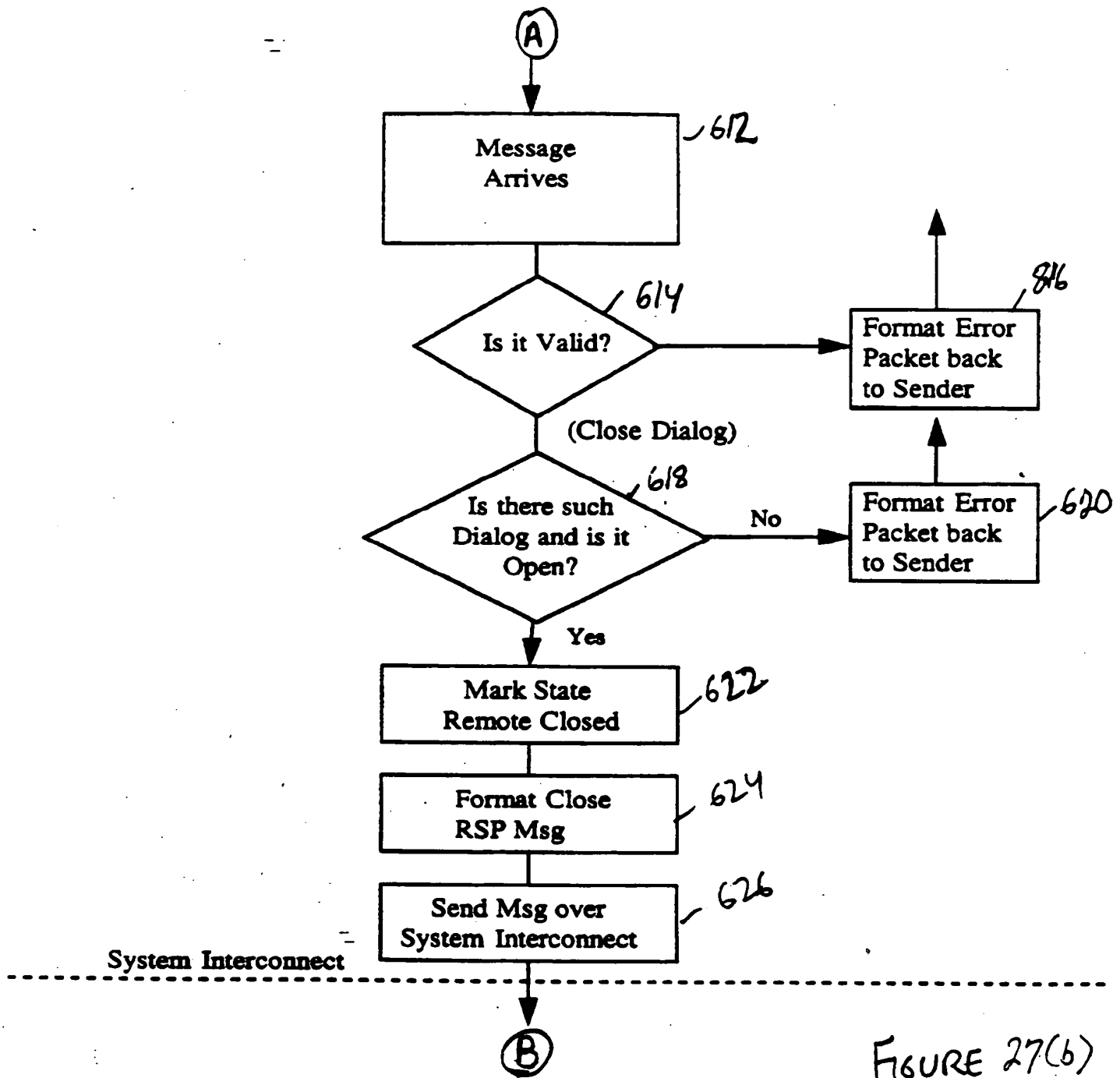


FIGURE 27(a)

DIALOG TERMINATION (MSS)



DIALOG TERMINATION (MISS)

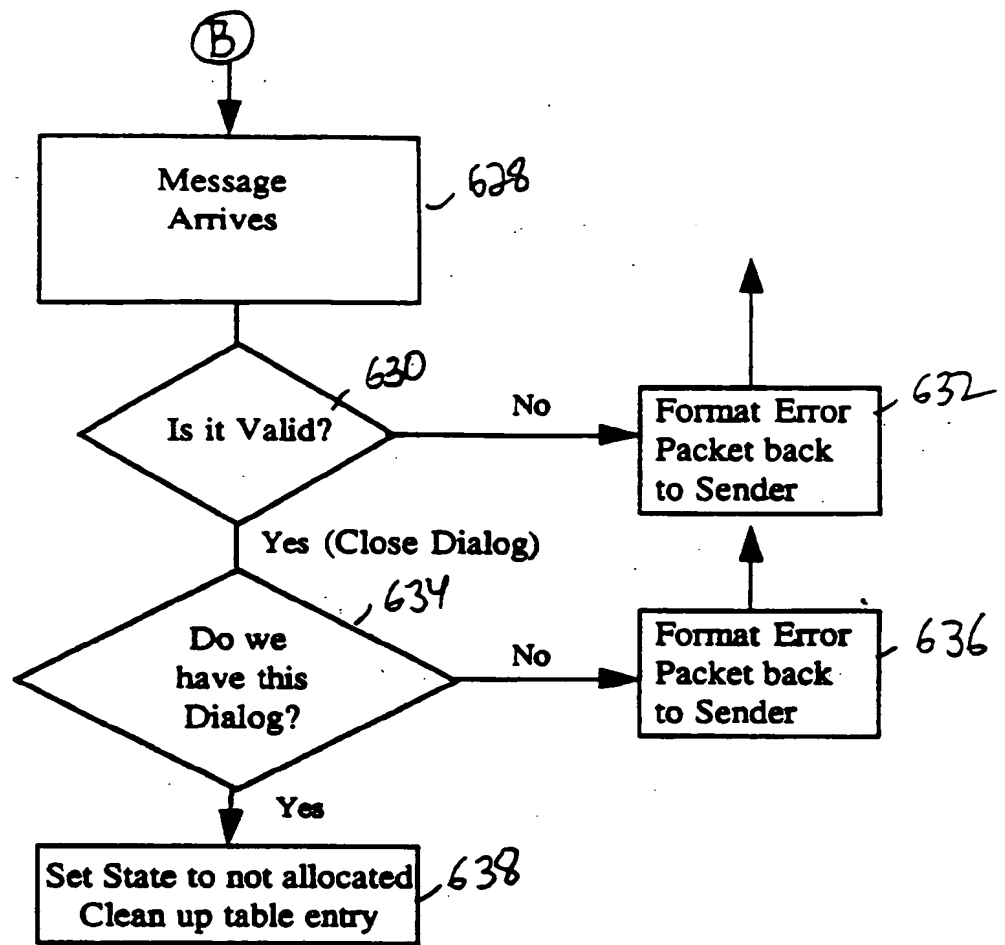
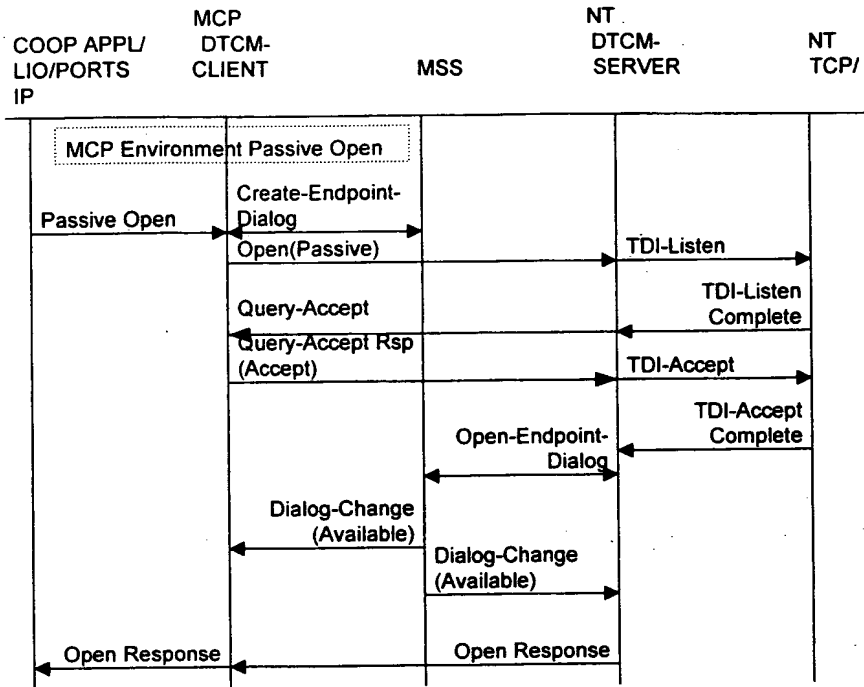
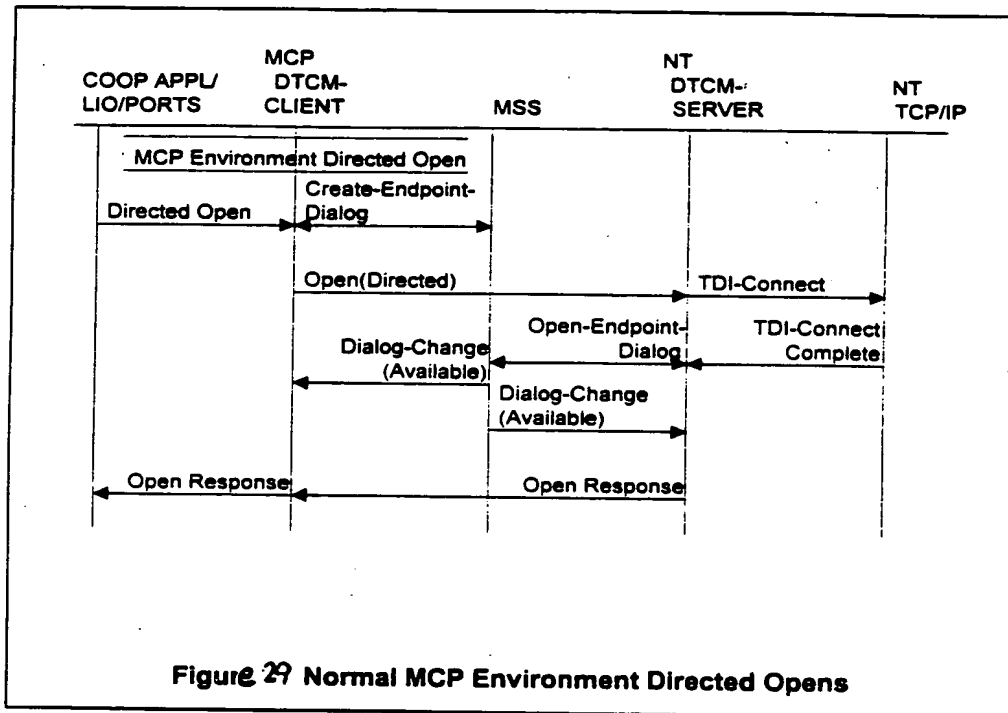


FIGURE 27(c)

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“Figure 28 – Normal MCP Passive Open”





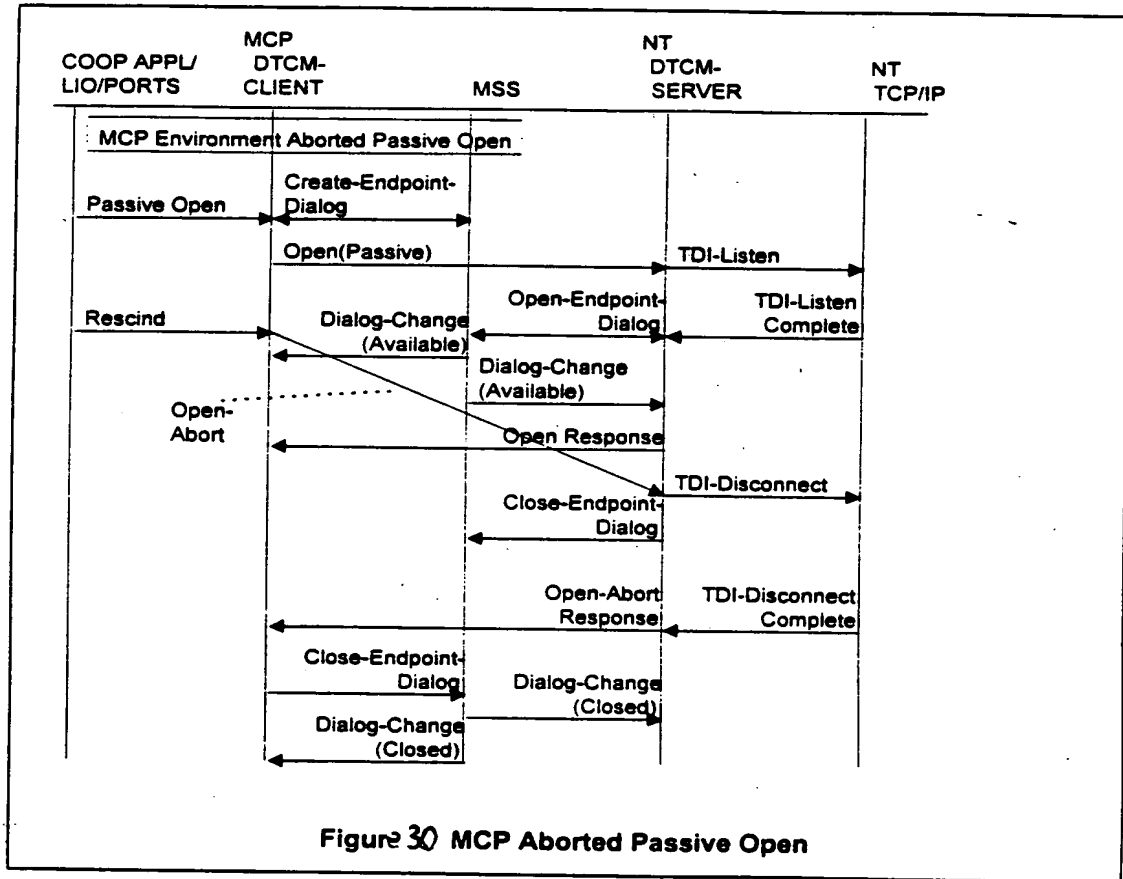
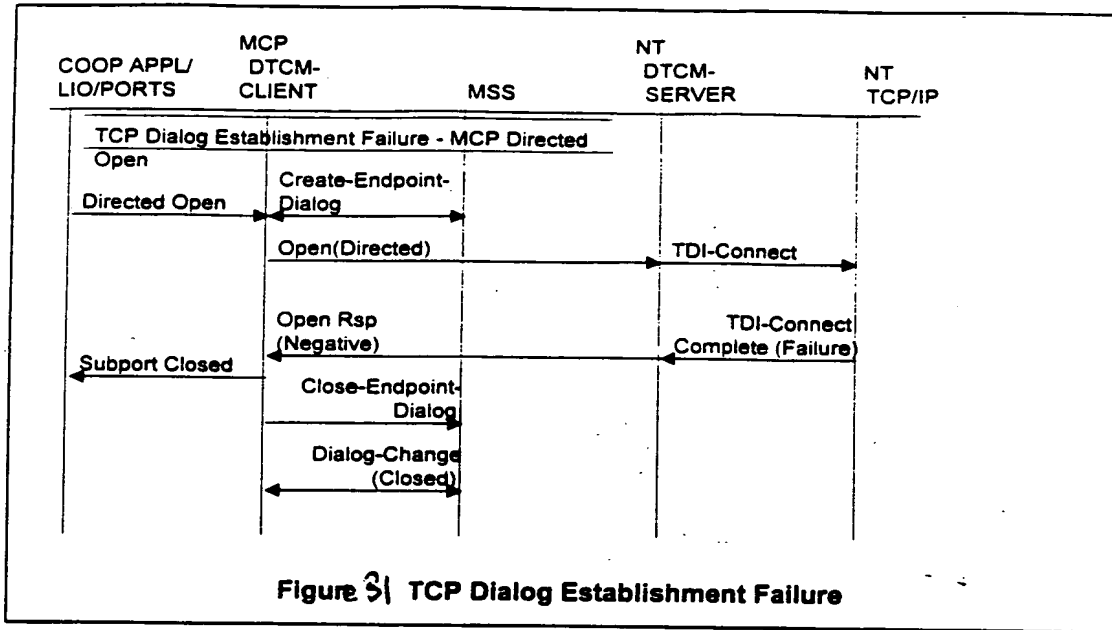
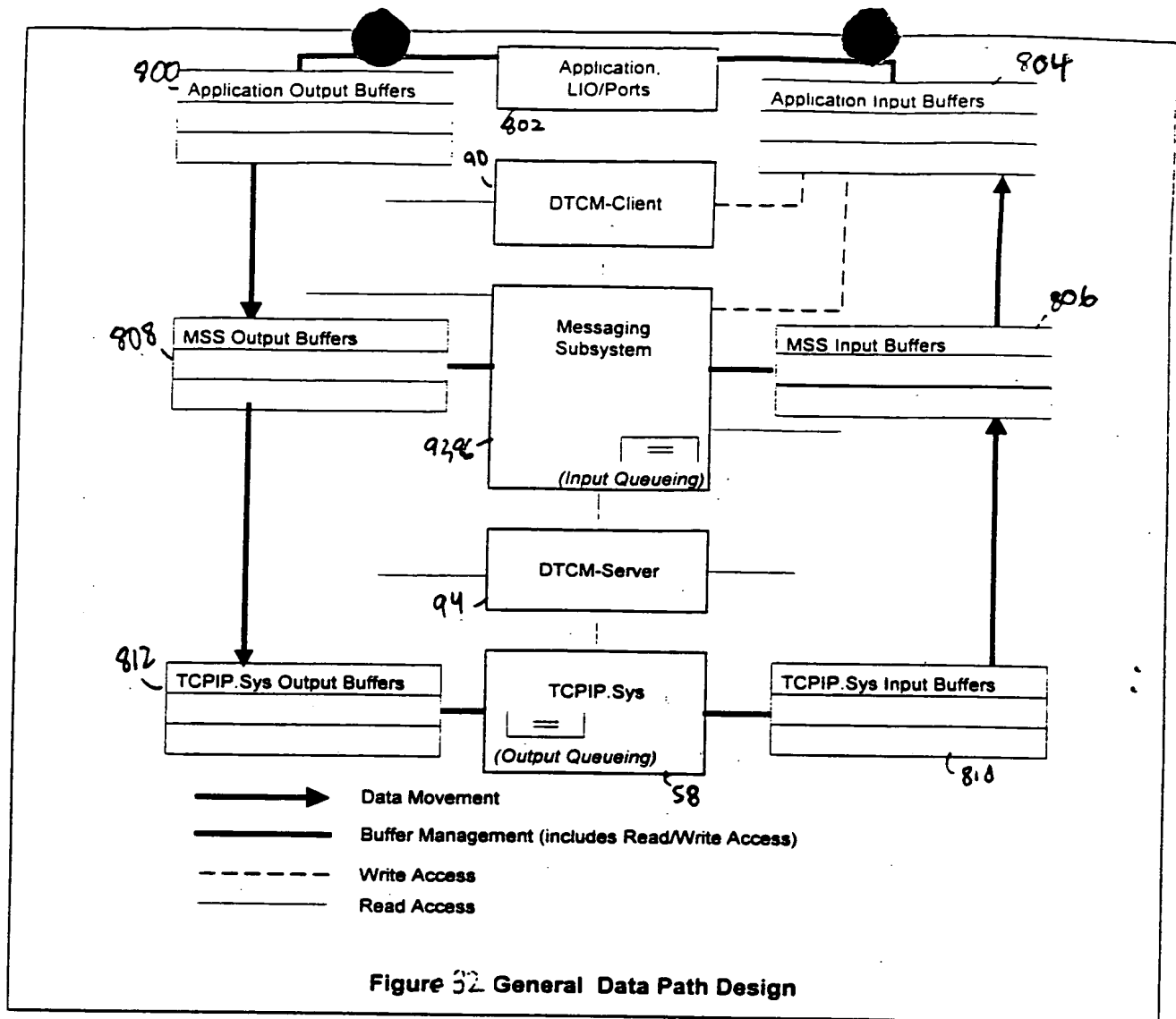


Figure 30 MCP Aborted Passive Open





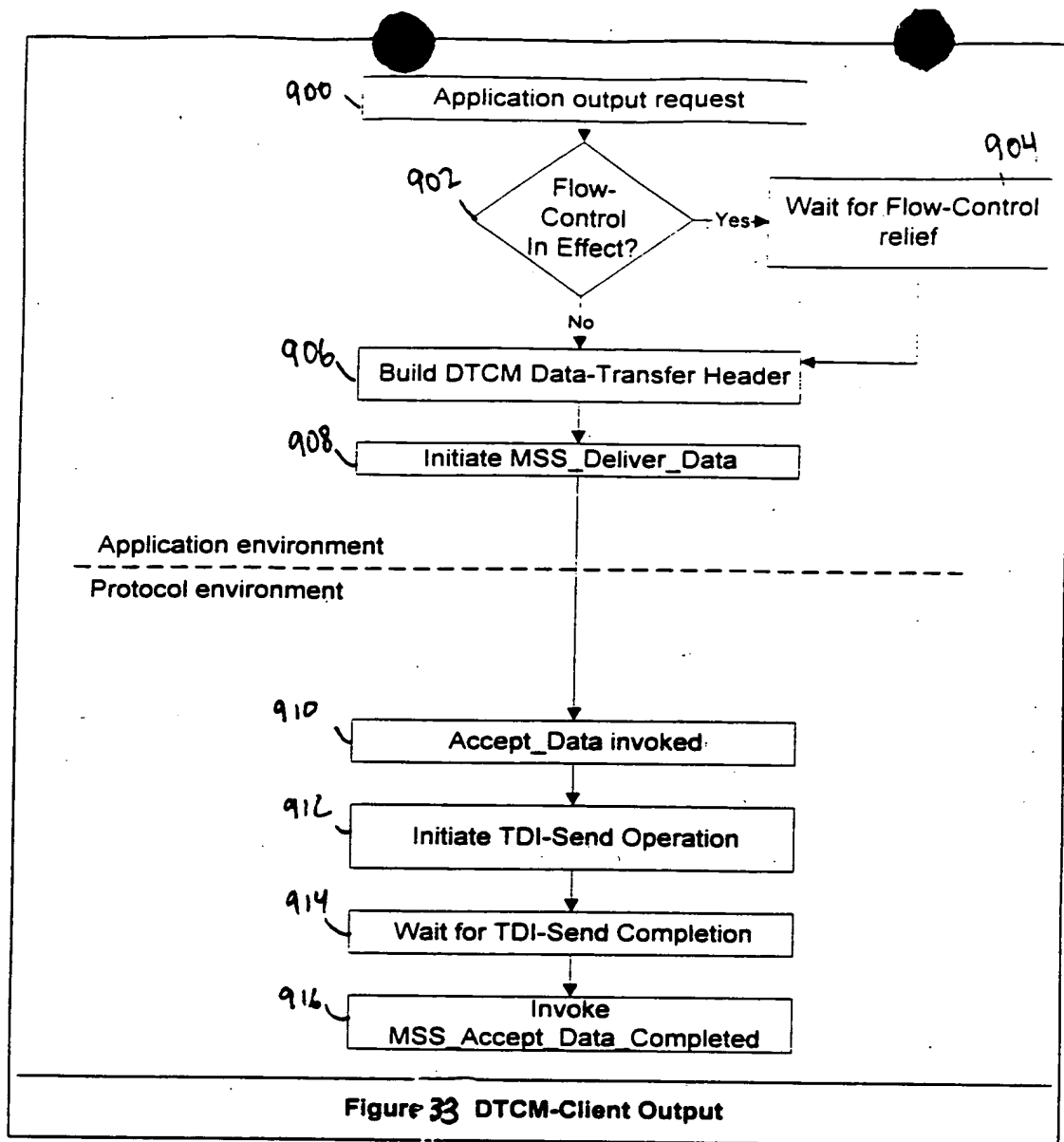


Figure 33 DTCM-Client Output

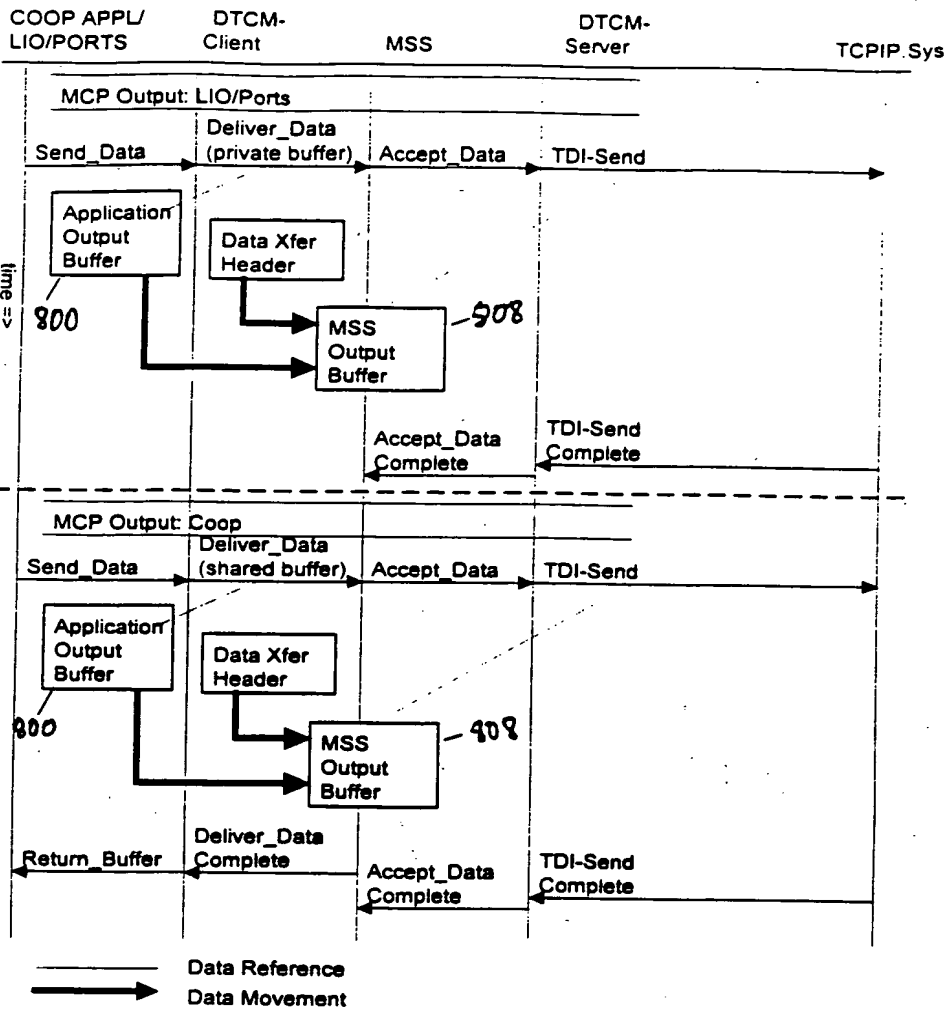


Figure 34 General Output Data Transfer Flow Diagram

094383 10460

0941303 10149

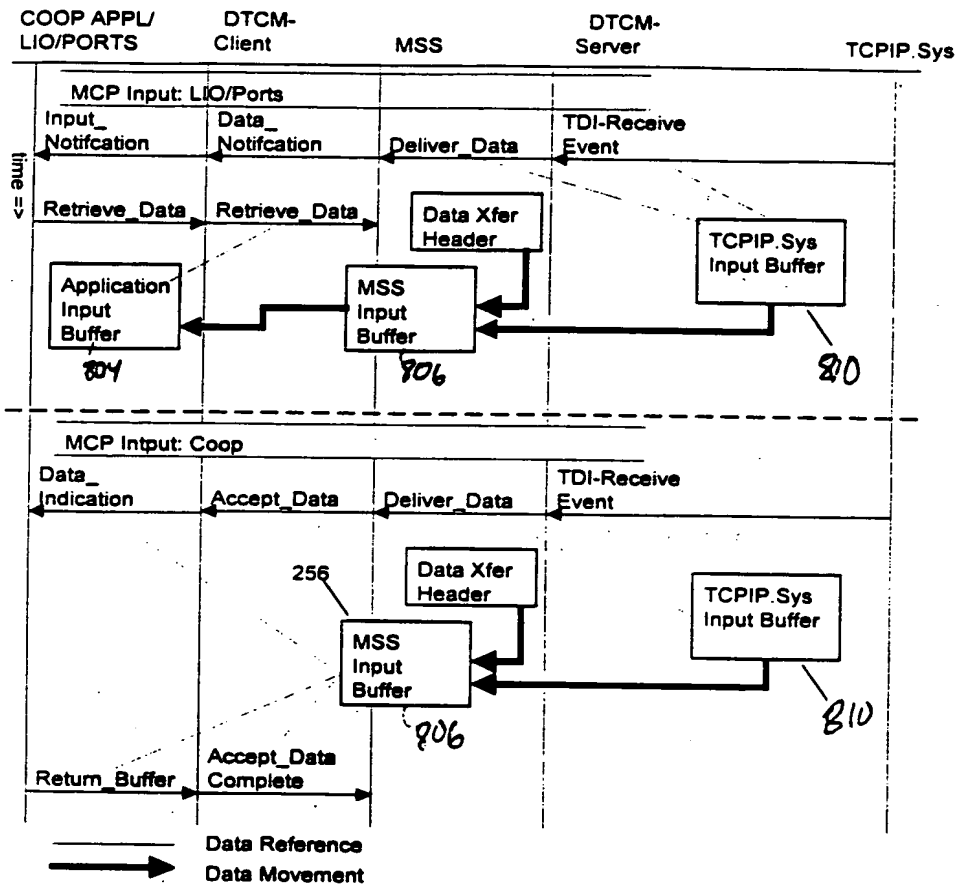


Figure 35 General Input Data Transfer Flow Diagram

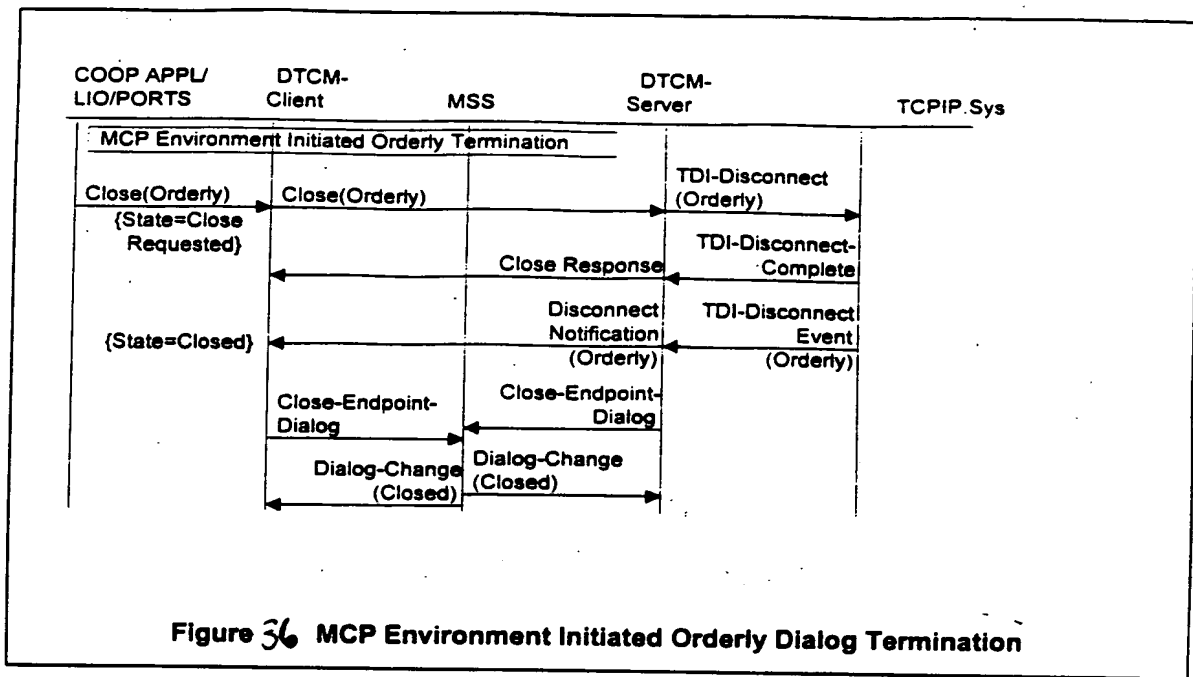


Figure 36 MCP Environment Initiated Orderly Dialog Termination

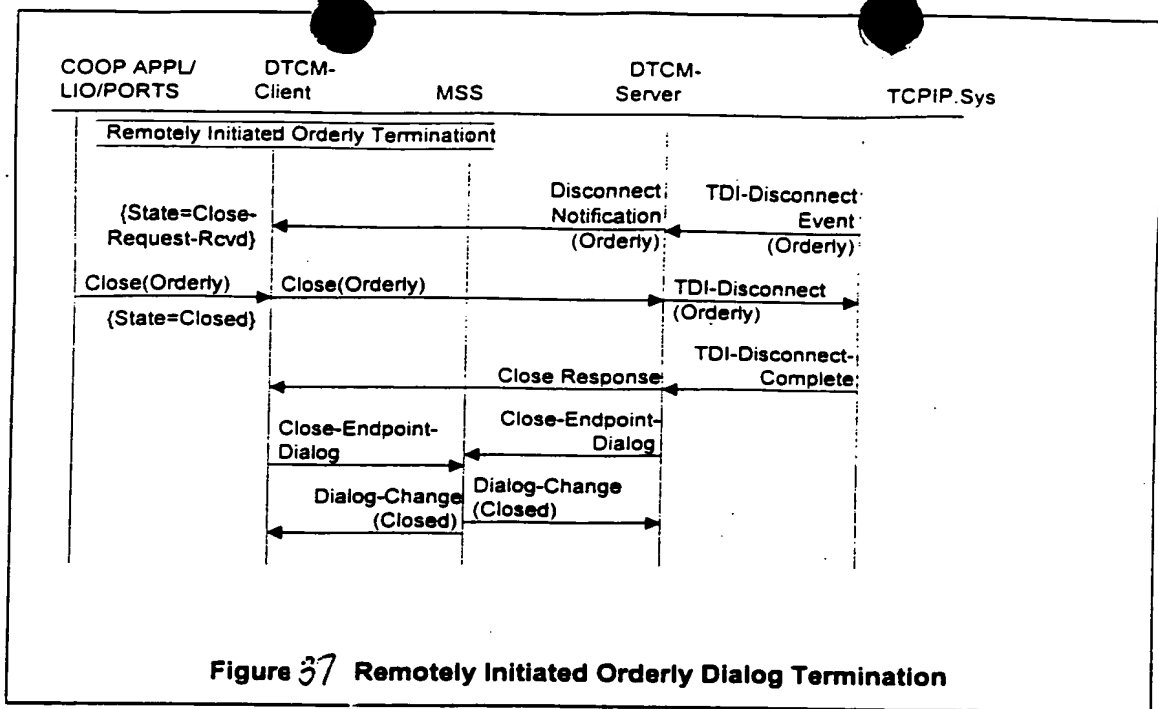
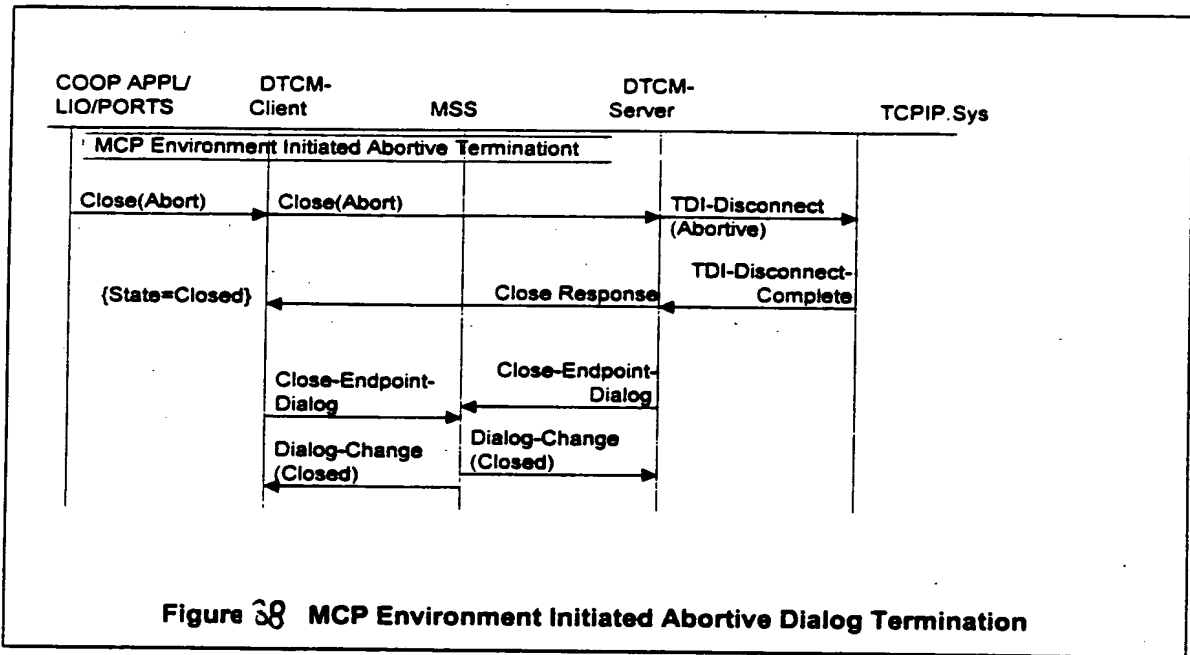


Figure 37 Remotely Initiated Orderly Dialog Termination



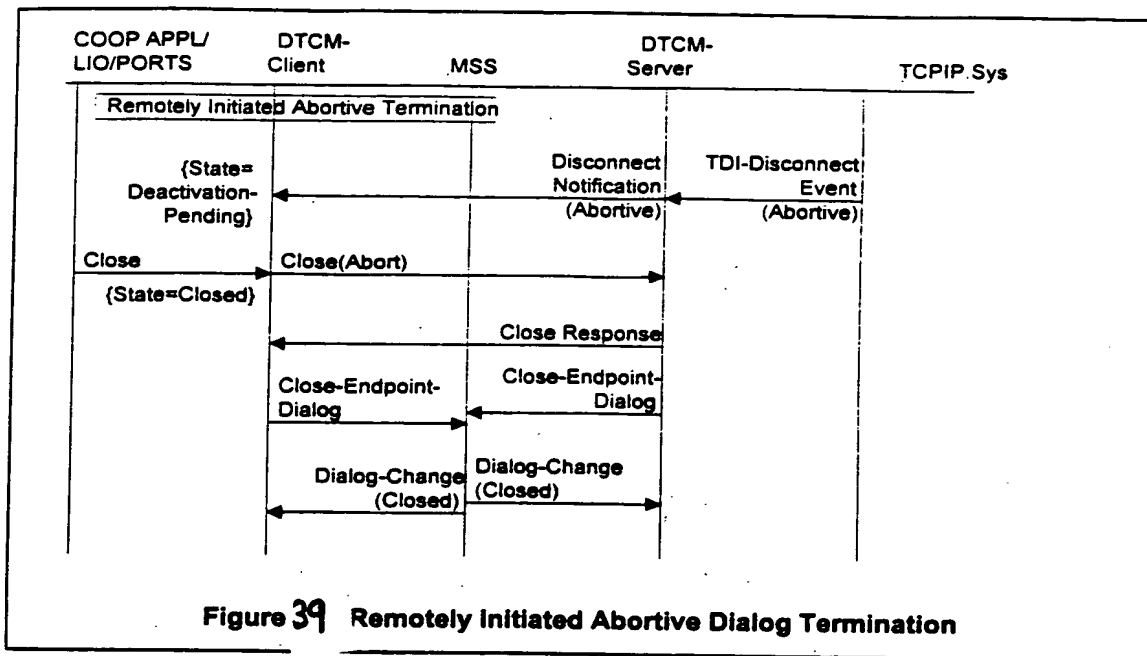


Figure 39 Remotely Initiated Abortive Dialog Termination